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NURSING DATA REVIEW

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Division of Public Policy and Research

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Preface

Nursing Data Review 1986 offers an overview and summary of the League's recent research activities. These data were compiled by the Division of Public Policy and Research and report the findings of two major surveys: the annual survey of state-approved schools of nursing (1983-84) and the biennial survey of nurse faculty (1986).

In order to disseminate our research findings as soon as they become available, NLN has instituted a module format. Each module covers the results of a particular study, and the *Nursing Data Review* combines several modules together with additional, previously unpublished data. *Nursing Student Census with Policy Implications* is the module that provides trend data over 10 to 20 years on admissions, enrollments, and graduations, as well as other pertinent information regarding RN and graduate nursing programs. *Nurse Faculty: Socioeconomic Trends,* our second module, reports numbers, salaries, workload, credentials, and other topics concerning nursing faculty

Results of the annual survey are also included in NLN's *State-Approved Schools of Nursing—RN 1986* and *State-Approved Schools of Nursing—LPN/LVN 1986.* In addition, federal and state government agencies and individuals from the private sector have used the survey findings in projecting the supply of and demand for nursing personnel.

We hope the new format will provide our readers with data in a more timely and readable manner. We thank the nursing schools, state boards, and individuals who have helped make this research publication possible.

Peri Rosenfeld, PhD
Director of Research
Division of Public Policy and Research

Contents

Preface . . . iii

Definition of Terms . . . xvii

Jurisdictions Included in the NLN Regions . . . xviii

Time Periods Used in Statistical Data . . . xviii

RN STUDENTS

Summary and Results of Nursing Student Census—1985 . . . 1

BASIC NURSING EDUCATION

Basic RN Education . . . 3

Basic RN Programs . . . 3

Table 1. Basic RN Programs and Percentage Change from Previous Year, by Type of Program: 1965 to 1984 . . . 3

RN Programs, by Source of Funding . . . 4

Table 2. Public and Private Basic RN Programs, by Type of Program: 1975 to 1984 . . . 4

RN Programs, by Region and State . . . 5

Table 3. All Basic RN Programs, by NLN Region and State: 1975 to 1984 . . . 6

Table 4. Baccalaureate Nursing Programs, by NLN Region and State: 1975 to 1984 . . . 7

Table 5. Associate Degree Nursing Programs, by NLN Region and State: 1975 to 1984 . . . 8

Table 6. Diploma Nursing Programs, by NLN Region and State: 1975 to 1984 . . . 9

Baccalaureate Nursing Programs: Accreditation Status . . . 10

Table 7. Baccalaureate Nursing Programs That Enroll Basic and/or RN Students, by NLN Accreditation Status: June 1985 . . . 10

Basic Nursing Programs: Accreditation and State Data . . . 10

Table 8. Basic RN Programs, by Type of Program and NLN Accreditation Status: June 1985 . . . 11

Tuition and Fees . . . 12

RN Programs: Tuition and Fees . . . 12

Table 9. Mean Annual Tuition and Fees of Full-Time Students in Public or Private Basic RN Programs, by NLN Region and State: 1984-85 . . . 13

Table 10. Mean Annual Tuition and Fees of Full-Time Students in Public or Private Baccalaureate Nursing Programs, by NLN Region and State: 1984-85 14

Table 11. Mean Annual Tuition and Fees of Full-Time Students in Public or Private Associate Degree Nursing Programs, by NLN Region and State: 1984-85 15

Table 12. Mean Annual Tuition and Fees of Full-Time Students in Public or Private Diploma Nursing Programs, by NLN Region and State: 1984-85 16

Admissions 17

Fall Admissions, by Type of Financial Support 17

Table 13. Fall Admissions to Public and Private Basic RN Programs, by Type of Program: 1975 to 1984 17

Annual Admissions to Basic RN Programs 18

Table 14. Annual Admissions to Basic RN Programs and Percentage of Change from Previous Year, by Type of Program: 1964-65 to 1983-84 19

Table 15. Annual Admissions to Public and Private Basic RN Programs, by Type of Program: 1974-75 to 1983-84 19

Table 16. Annual Admissions to All Basic RN Programs, by NLN Region and State: 1974-75 to 1983-84 20

Table 17. Annual Admissions to Baccalaureate Nursing Programs, by NLN Region and State: 1974-75 to 1983-84 21

Table 18. Annual Admissions to Associate Degree Nursing Programs, by NLN Region and State: 1974-75 to 1983-84 22

Table 19. Annual Admissions to Diploma Nursing Programs, by NLN Region and State: 1974-75 to 1983-84 23

Table 20. Admissions to Basic RN Programs, by Type of Program and NLN Accreditation Status: August 1, 1983 to July 31, 1984 24

Enrollments 25

Enrollments in Basic RN Programs 25

Table 21. Enrollments in Basic RN Programs and Percentage Change from Previous Year, by Type of Program: 1965 to 1984 26

Table 22. Enrollments in Public and Private Basic RN Programs, by Type of Program: 1975 to 1984 26

Table 23. Total Enrollments in All Basic RN Programs, by NLN Region and State: 1975 to 1984 27

Table 24. Total Enrollments in Baccalaureate Nursing Programs, by NLN Region and State: 1975 to 1984 28

Table 25. Total Enrollments in Associate Degree Nursing Programs, by NLN Region and State: 1975 to 1984 29

Table 26. Total Enrollments in Diploma Nursing Programs, by NLN Region and State: 1975 to 1984 30

Table 27. Enrollments in Accredited and Non-Accredited Programs by NLN Region and State and Type of Program 31

Enrollments of RNs in Baccalaureate Nursing Programs 32

Table 28. Generic and RN Student Enrollments in Baccalaureate Nursing Programs: 1975 to 1984 33

Table 29. Full-Time and Part-Time Enrollments of Basic and RN Students in Baccalaureate Nursing Programs: 1980 to 1984 33

Table 30. Total Enrollments in Baccalaureate Nursing Programs, by NLN Region and State: 1980 to 1984 34

Graduations 35

Graduations from Basic RN Programs 35

Table 31. Graduations from Basic RN Programs and Percentage Change from Previous Year, by Type of Program: 1963-64 to 1983-84 36

Table 32. Graduations from Public and Private Basic RN Programs, by Type of Program: 1974-75 to 1983-84 36

Table 33. Graduations from All Basic RN Programs, by NLN Region and State: 1974-75 to 1983-84 37

Table 34. Graduations from Baccalaureate Nursing Programs, by NLN Region and State: 1974-75 to 1983-84 38

Table 35. Graduations from Associate Degree Nursing Programs, by NLN Region and State: 1974-75 to 1983-84 39

Table 36. Graduations from Diploma Nursing Programs, by NLN Region and State: 1974-75 to 1983-84 40

Table 37. Graduations from Accredited and Non-Accredited Programs, by NLN Region and State and Type of Program 41

Graduations of RNs from Baccalaureate Nursing Programs 42

Table 38. Basic and RN Student Graduations from Baccalaureate Nursing Programs: 1974-75 to 1983-84 43

Table 39. Graduations of Registered Nurses from Baccalaureate Nursing Programs, by Previous Basic Nursing Education and Region: 1979-80 to 1983-84 43

Table 40. Total Graduations from Baccalaureate Nursing Programs, by NLN Region and State: 1980 to 1984 44

Men and Minority Students 45

Admissions of Men and Minority Students 45

Table 41. Admissions of Men and Minority Students to All Basic RN Programs, by NLN Region and States: 1983-84 46

Table 42. Admissions of Men and Minority Students to Baccalaureate Programs, by NLN Region and State: 1983-84 47

Table 43. Admissions of Men and Minority Students to Associate Degree Programs, by NLN Region and State: 1983-84 48

Table 44. Admissions of Men and Minority Students to Diploma Programs, by NLN Region and State: 1983-84 49

Table 45. Trends in Admissions of Men and Minority Students in Basic RN Programs, 1978 to 1984 50

Enrollments of Men and Minority Students 50

Table 46. Enrollments of Men and Minority Students in all Basic RN Programs, by NLN Region and State: 1983-84 51

Table 47. Enrollments of Men and Minority Students in Baccalaureate Programs, by NLN Region and State: 1983-84 52

Table 48. Enrollments of Men and Minority Students in Associate Degree Programs, by NLN Region and State: 1983-84 53

Table 49. Enrollments of Men and Minority Students in Diploma Programs, by NLN Region and State: 1983-84 54

Table 50. Trends in Enrollments of Men and Minority Students in Basic RN Programs, 1978 to 1984 55

Graduations of Men and Minority Students 55

Table 51. Graduations of Men and Minority Students from all Basic RN Programs, by NLN Region and State: 1983-84 56

Table 52. Graduations of Men and Minority Students from Baccalaureate Programs, by NLN Region and State: 1983-84 57

Table 53. Graduations of Men and Minority Students from Associate Degree Programs, by NLN Region and State: 1983-84 58

Table 54. Graduations of Men and Minority Students from Diploma Programs, by NLN Region and State: 1983-84 59

Table 55. Trends in Graduations of Men and Minority Students in Basic RN Programs, 1978 to 1984 60

HIGHER DEGREE NURSING EDUCATION

Doctoral Programs in Nursing 61

Doctoral Programs in Nursing 61

Table 56. Doctoral Programs in Nursing Located in Nursing Education Departments: 1975 to 1984 62

Table 57. Enrollments and Percentage Change from Previous Year of Nurses in Doctoral Programs Located in Nursing Education Departments: 1965 to 1984 63

Table 58. Enrollments of Registered Nurses in Doctoral Programs Located in Nursing Education Departments: 1975 to 1984 64

Graduations from Doctoral Nursing Programs 65

Table 59. Graduations of Registered Nurses from Doctoral Programs Located in Nursing Education Departments: 1974-75 to 1983-84 66

Miscellaneous Information on Doctoral Nursing Programs 67

Master's Programs in Nursing 67

Master's Programs in Nursing 67

Table 60. Master's Programs in Nursing, by NLN Region and State: 1975 to 1984 68

Enrollments of Nurses in Master's Programs 69

Table 61. Enrollments of Nurses in Master's Programs and Percentage in NLN-Accredited Programs: 1965 to 1984 70

Table 62. Enrollments of Nurses in Master's Programs, Percentage Change from Previous Year, and Percentage Enrolled Full Time, by NLN Region: 1965 to 1984 70

Table 63. Enrollments of Registered Nurses in Master's Programs in Nursing, by NLN Region and State: 1975 to 1984 71

Full-Time Enrollments in Master's Programs, by Functional Area 72

Table 64. Full-Time Enrollments of Nurses in Master's Programs, by Functional Area of Study: 1975 to 1984 72

Full-Time Enrollments in Master's Programs, by Nursing Content Area 73

Table 65. Full-Time Enrollments of Nurses in Master's Programs, by Nursing Content Area: 1975 to 1984 73

Part-Time Enrollments in Master's Programs, by Functional Area of Study 74

Table 66. Part-Time Enrollments of Nurses in Master's Programs, by Functional Area of Study: 1975 to 1984 74

Part-Time Enrollments in Master's Programs, by Nursing Content Area 75

Graduations from Master's Programs 75

Table 67. Graduations from Master's Programs and Percentage Change from Previous Year, by NLN Region: 1964-65 to 1983-84 75

Table 68. Graduations of Registered Nurses from Master's Programs in Nursing, by NLN Region and State: 1974-75 to 1983-84 76

Graduations from Master's Programs, by Functional Area 77

Table 69. Graduations of Nurses from Master's Programs, by Functional Area of Study: 1974-75 to 1983-84 77

Graduations from Master's Programs, by Nursing Content Area 78

Table 70. Graduations of Nurses from Master's Programs, by Nursing Content Area: 1974-75 to 1983-84 78

Ratio of Graduations from Master's Programs to Graduations from Baccalaureate Programs 79

Table 71. Ratio of Graduations from Master's Programs to Graduations from Baccalaureate Programs in Nursing: 1964-65 to 1983-84 79

Enrollments and Graduations of Men and Minority Students in Master's Programs 79

Table 72. Enrollments and Graduations of Men and Minority Students in Master's Programs, by NLN Region, 1984 80

Enrollments and Graduations from Nurse Practitioner Programs 80

Table 73. Enrollments and Graduations from Nurse Practitioner Programs, by NLN Region and State and Specialization: 1984 81

RN FACULTY

Summary and Results of Nurse Faculty Census 82

Program Information 85

Table 1. Number of Nursing Education Programs, by NLN Region 85

Table 2. Number of Nursing Education Programs, by State 87

Number of Faculty and Unfilled Positions 88

Table F-1. Total Number of Full-Time and Part-Time Faculty, by Type of Program and State: All Generic and Non-Generic Programs 89

Table F-2. Change in Number of Full-Time and Part-Time Faculty and Unfilled Positions, by Type of Program: 1970–1986 91

Figure F-1. Number of Nursing Education Programs, by Program Type 92

Figure F-2. Total Number of Full-Time and Part-Time Faculty in All Nursing Education Programs 93

Figure F-3. Number of Full-Time Faculty, by Program Type 94

Figure F-4. Number of Part-Time Faculty, by Program Type 95

Figure F-5. Ratio of Full-Time to Part-Time Faculty, by Program Type 96

Table F-3. Estimated Number of Full-Time and Part-Time Faculty and Unfilled Positions and Percent Change, by Type of Program: 1970-1986 98

Table F-4. Number and Percent of Nurse and Non-Nurse Faculty, by Type of Program and Region 99

Table F-5. Mean Number of Full-Time and Part-Time Nurse Faculty per Program, 1968-1986 100

Figure F-6. Mean Number of Full-Time Faculty, by Program Type 101

Figure F-7. Mean Number of Part-Time Faculty, by Program Type 102

Table F-6. Unfilled Nurse Faculty Budgeted Positions Per 100 Full-Time Faculty, by NLN Region: 1976-1986 103

Table F-7. Percent of Unfilled Positions by Program Type and Clinical Specialization 104

Table F-8. Assignment of Full-Time Faculty to Baccalaureate or Graduate Teaching, by Region: 1976-1986 105

Table F-9. Role of Part-Time Faculty, by Type of Program: Percent in Each Teaching Role 106

Highest Earned Credentials 107

Table F-10. Highest Earned Credential of Nursing Education Administrators, by Type of Program: 1968-1986 108

Figure F-8. Highest Earned Credentials of Administrators by Program Type: 1986 109
A. Baccalaureate and Higher Degree Programs
B. Associate Degree Programs
C. Diploma Programs

Table F-11. Highest Earned Credential of Associate/Assistant Administrators, by Type of Program 110

Table F-12. Highest Earned Credential of Full-Time Nurse Faculty, by Type of Program: 1968-1986 112

Figure F-9. Highest Earned Credential of Full-Time Faculty, by Program Type: 1986 113
  A. Baccalaureate and Higher Degree Program
  B. Associate Degree Programs
  C. Diploma Programs

Table F-13. Highest Earned Credential of Part-Time Nurse Faculty, by Type of Program: 1968-1986 115

Table F-14. Highest Earned Credential of Full-Time Faculty, by NLN Region: 1972-1986 116

Table F-15. Highest Earned Credential of Full-Time and Part-Time Faculty, by State 118

Table F-16. Highest Earned Credential of Full-Time Faculty in Accredited and Non-Accredited Programs: 1972-1986 119

Table F-17. Highest Earned Credential of Part-Time Faculty in Accredited and Non-Accredited Programs: 1972-1986 120

Table F-18. Credentials of Full-Time Faculty: Percentage of Nursing and Non-Nursing Degrees, by Type of Program and NLN Region 122

Table F-19. Credentials of Part-Time Faculty: Percentage of Nursing and Non-Nursing Degrees, by Type of Program and NLN Region 123

Table F-20. Highest Earned Credential of Graduate Faculty, by NLN Region 124

Faculty Characteristics 125

Table F-21. Ethnic Background of Administrators: Number and Percent, by Type of Program 125

Table F-22. Ethnic Background of Full-Time Faculty: Number and Percent, by NLN Region and Type of Program 126

Table F-23. Ethnic Background of Part-Time Faculty: Number and Percent, by NLN Region and Type of Program 127

Table F-24. Number and Percent of Full-Time Male Faculty, by Type of Program and NLN Region 129

Table F-25. Number and Percent of Part-Time Male Faculty, by Type of Program and NLN Region 130

Faculty Workload 131

Table F-26. Comparison of Faculty Workload, by Type of Program, for Faculty Teaching Basic Students: Mean, Standard Deviation, and Range 132

Table F-27. Comparison of Faculty Workload, by Type of Program, for Faculty Teaching Basic Students: Percentiles 133

Table F-28. Faculty Workload—Comparison of Hours per Week in Baccalaureate and Higher Degree Programs: Mean, Standard Deviation, and Range, by Level of Teaching 134

Table F-29. Faculty Workload—Comparison of Hours per Week in Baccalaureate and Higher Degree Programs: Percentiles, by Level of Teaching 135

Table F-30. Faculty Workload—Number of Basic Students per Week for a Typical Full-Time Faculty Member: Mean, Standard Deviation, and Range, by Program Type 136

Table F-31. Faculty Workload—Number of Basic Students per Week for a Typical Full-Time Faculty Member: Percentiles by Program Type 137

Table F-32. Faculty Workload—Comparison of Number of Students per Week in Baccalaureate and Higher Degree Programs, by Level of Teaching: Mean, Standard Deviation, and Range . . . 139

Table F-33. Faculty Workload—Comparison of Number of Students per Week in Baccalaureate and Higher Degree Programs, by Level of Teaching: Percentiles . . . 140

Table F-34. Faculty Joint Appointments with Clinical Agencies . . . 141

Computer Technology and Applications . . . 142

Table F-35. Percent of Programs Reporting Faculty Attendance at Programs on Computer Technology during 1985-86 . . . 142

Table F-36. Percent of Programs with Faculty Integrating Computer Applications into Nursing Courses . . . 143

Table F-37. Percent of Nursing Programs Employing Faculty to Teach Computer Technology/Applications . . . 144

Table F-38. Computer Courses as Part of Nursing Programs . . . 145

Table F-39. Type of Computer Applications Available, by Type of Nursing Programs . . . 146

Table 40. Programs Reporting Recent Graduates Prepared to Apply Computer Technology in Nursing Practice . . . 147

Table 41. Programs Reporting Current Nursing Students Will Be Prepared to Use Computer Technology in Nursing Practice After Graduation . . . 148

Salaries in Nursing Education . . . 149

Table F-42. Salary of Administrators, by Program Type: Mean Salary by Academic and Calendar Year Appointment . . . 150

Figure F-10. Salary of Chief Administrators of Baccalaureate and Higher Degree Programs . . . 151

Figure F-11. Salary of Chief Administrators of Associate Degree Programs . . . 152

Figure F-12. Salary of Chief Administrators of Diploma Programs . . . 152

Table F-43. Mean Salaries of Full-Time Faculty and Administrators, by Type of Appointment and Program . . . 154

Table F-44. Range of Mean Salaries of Full-Time Faculty and Administrators, by Program Type . . . 156

Table F-45. Mean Salaries of Administrators in Baccalaureate and Higher Degree Programs, by NLN Region . . . 158

Table F-46. Mean Salaries of Faculty in Baccalaureate and Higher Degree Programs, by NLN Region . . . 159

Table F-47. Mean Salaries of Administrators in Associate Degree Programs, by NLN Region . . . 160

Table F-48. Mean Salaries of Faculty in Associate Degree Programs, by NLN Region . . . 161

Table F-49. Mean Salaries of Administrators in Diploma Programs, by NLN Region . . . 162

Table F-50. Mean Salaries of Faculty in Diploma Programs, by NLN Region . . . 163

Table F-51. Mean Salaries of Administrators, by Type of Program and Institutional Support . . . 164

Table F-52. Mean Salaries of Faculty, by Type of Program and Institutional Support . . . 165

Table F-53. Salaries of Chief Administrators of Nursing Education Programs, by AAUP Category ... 168

Table F-54. Salaries of Baccalaureate and Higher Degree Program Full-Time Faculty Compared with AAUP Salary Category ... 169

Table F-55. Salaries of Associate Degree Program Full-Time Faculty Compared with AAUP Salary Category ... 170

PN STUDENTS

Summary and Results of LPN/LVN Student Census ... 171

LPN/LVN Programs ... 172

Number of LPN/LVN Programs ... 172

Table PN-1. LPN/LVN Schools and Programs with Percentage Change from Previous Year, by Type of Program: 1965 to 1984 ... 172

Table PN-2. LPN/LVN Programs, by NLN Region and State: 1975 to 1984 ... 173

LPN/LVN Programs by Source of Funding ... 174

Table PN-3. LPN/LVN Programs, by NLN Region and Primary Source of Financial Support: 1975 to 1984 ... 174

Administrative Control of LPN/LVN Programs ... 174

Table PN-4. LPN/LVN Programs, by NLN Region and Type of Administrative Control: 1975 to 1984 ... 175

Admissions ... 176

Annual Admissions to LPN/LVN Programs ... 176

Table PN-5. Admissions to LPN/LVN Programs and Percentage Change from Previous Year: 1964-65 to 1983-84 ... 176

Table PN-6. Annual Admissions to LPN/LVN Programs, by NLN Region and State: 1974-75 to 1983-84 ... 177

Table PN-7. Annual Admissions to LPN/LVN Programs, by NLN Region and Primary Source of Financial Support: 1974-75 to 1983-84 ... 178

Table PN-8. Annual Admissions to LPN/LVN Programs, by NLN Region and Type of Administrative Control: 1974-75 to 1983-84 ... 179

Fall Admissions to LPN/LVN Programs ... 180

Table PN-9. Fall Admissions to LPN/LVN Programs with Percentage Change from Previous Year: 1970 to 1984 ... 180

Table PN-10. Fall Admissions to LPN/LVN Programs, by NLN Region and State: 1975 to 1984 ... 181

Table PN-11. Fall Admissions to LPN/LVN Programs, by NLN Region and Primary Source of Financial Support: 1975 to 1984 ... 182

Table PN-12. Fall Admissions to LPN/LVN Programs, by NLN Region and Type of Administrative Control: 1975 to 1984 ... 183

Enrollments 184

Table PN-13. Enrollments in LPN/LVN Programs with Percentage Change from Previous Year: 1965 to 1984 184

Table PN-14. Enrollments in LPN/LVN Programs, by NLN Region and State: 1975 to 1984 185

Table PN-15. Enrollments in LPN/LVN Programs, by NLN Region and Primary Source of Financial Support: 1975 to 1984 186

Table PN-16. Enrollments in LPN/LVN Programs, by NLN Region and Administrative Control: 1975 to 1984 187

Graduations 188

Table PN-17. Graduations from LPN/LVN Programs with Percentage Change from Previous Year: 1964-65 to 1983-84 188

Table PN-18. Graduations from LPN/LVN Programs, by NLN Region and State: 1974-75 to 1983-84 189

Table PN-19. Graduations from LPN/LVN Programs, by NLN Region and Primary Source of Financial Support: 1974-75 to 1983-84 190

Table PN-20. Graduations from LPN/LVN Programs, by NLN Region and Type of Administrative Control: 1974-75 to 1983-84 191

Men and Minority Students 192

Table PN-21. Admissions of Men and Minority Students to LPN/LVN Programs, by NLN Region and State: 1983-84 193

Table PN-22. Trends in Admissions of Men and Minority Students in LPN/LVN Programs, 1978 to 1984 194

Table PN-23. Enrollments of Men and Minority Students in LPN/LVN Programs, by NLN Region and State: October 15, 1984 195

Table PN-24. Trends in Enrollments of Men and Minority Students In LPN/LVN Programs, 1978 to 1984 196

Table PN-25. Graduations of Men and Minority Students from LPN/LVN Programs, by NLN Region and State: 1983-84 197

Table PN-26. Trends in Graduations of Men and Minority Students in LPN/LVN Programs, 1978 to 1984 198

Tuition and Fees 199

Table PN-27. Mean Annual Tuition and Additional Mandated Fees for Residents Who Attended, Full Time, LPN/LVN Programs, by Primary Source of Financial Support and State: 1984-85 200

PN FACULTY

Summary and Results of LPN/LVN Faculty Census 201

Number of Faculty and Unfilled Faculty Positions 203

Table PNF-1. Number of Full-Time and Part-Time Nurse Faculty in LPN/LVN Programs: 1968 to 1986 203

Table PNF-2. Full-Time and Part-Time Nurse Faculty and Unfilled Budgeted Positions in LPN/LVN Programs, by State 205

Table PNF-3. Percent of Nurse and Non-Nurse Faculty in LPN/LVN Programs, by NLN Region 206

Table PNF-4. Percent of Unfilled Full-Time Nurse Faculty Positions in LPN/LVN Programs, by Clinical Content Area and NLN Region 206

Highest Earned Credentials 207

Table PNF-5. Highest Earned Credential of Administrators in LPN/LVN Programs: 1968 to 1986 207

Table PNF-6. Highest Earned Credential of Full-Time Nurse Faculty of LPN/LVN Programs: 1968 to 1986 208

Table PNF-7. Highest Earned Credential of Part-Time Nurse Faculty of LPN/LVN Programs: 1968 to 1986 209

Table PNF-8. Highest Earned Credential of Full-Time Nurse Faculty of LPN/LVN Programs, by NLN Region: 1972 to 1986 210

Table PNF-9. Highest Earned Credential of Part-Time Nurse Faculty of LPN/LVN Programs, by NLN Region: 1972 to 1986 211

Table PNF-10. Nursing and Non-Nursing Degrees Held by Master's and Baccalaureate-Prepared Full-Time Faculty in LPN/LVN Programs, by NLN Region 212

Table PNF-11. Nursing and Non-Nursing Degrees Held by Master's and Baccalaureate-Prepared Part-Time Faculty in LPN/LVN Programs, by NLN Region 212

Table PNF-12. Highest Earned Credential of Full-Time and Part-Time Nurse Faculty in LPN/LVN Programs, by State 213

Faculty Characteristics 214

Table PNF-13. Ethnic Background of Administrators in LPN/LVN Programs, by NLN Region 214

Table PNF-14. Ethnic Background of Full-Time Faculty in LPN/LVN Programs, by NLN Region 214

Table PNF-15. Ethnic Background of Part-Time Faculty in LPN/LVN Programs, by NLN Region 215

Table PNF-16. Full-Time and Part-Time Male Faculty in LPN/LVN Programs, by NLN Region 215

Faculty Workload 216

Table PNF-17. Faculty Workload—Number of Hours per Week for a Typical Faculty Member in LPN/LVN Programs, by NLN Region 216

Table PNF-18. Faculty Workload—Number of Students per Week for a Typical Faculty Member in LPN/LVN Programs, by NLN Region 217

Computer Technology 217

Table PNF-19. Involvement of LPN/LVN Faculty in Computer Applications 218

Table PNF-20. Percent of LPN/LVN Programs Reporting Faculty Teaching Computer Applications 218

Table PNF-21. Percent of LPN/LVN Programs Reporting Alumni and Students Prepared to Use Computer Technology in Their Nursing Practice after Graduation 218

Salaries in LPN/LVN Education 219

Table PNF-22. Mean Salaries of LPN/LVN Administrators and Faculty, by Academic and Calendar Year Appointment 220

Table PNF-23. Mean Salaries of LPN/LVN Administrators and Faculty, by NLN Region 221

Table PNF-24. Mean Salaries of LPN/LVN Administrators and Faculty, by Type of Institutional Support 222

DEFINITION OF TERMS

Administrator of Nursing Program—Dean, chair, director, head of department.

Associate/Assistant Administrator—Individual who is an assistant or associate dean, director, head of department.

Baccalaureate Programs

a) *Baccalaureate and higher degree programs:* All baccalaureate and graduate nursing programs.

b) *Baccalaureate and higher degree programs with generic students:* Programs that accept students without prior nursing education. Most of these programs also admit registered nurses who had previously studied at the associate degree or diploma level and are returning to baccalaureate nursing education. They also may include master's and doctoral level programs.

c) *Baccalaureate and higher degree programs without generic students (for RN students only):* Programs designed exclusively for registered nurses returning for baccalaureate education (BRN programs) and/or graduate education.

Ethnic Background—The categories used to denote ethnic background are:

a) American Indian or Alaskan Native
b) Asian or Pacific Islander
c) Black, Non-Hispanic
d) Hispanic
e) White, Non-Hispanic

Faculty Workload—The questionnaire asked respondents to indicate the average number of hours per week that faculty spend in the following categories:

a) *Teaching (classroom):* Student contact hours in classroom instruction.

b) *Teaching (clinical):* Clinical or laboratory instruction or supervision (including pre- and post-clinical conferences).

c) *Advisement and counseling*

d) *Preparation hours:* Time spent preparing for teaching.

e) *Nursing practice:* Nurse faculty practice, separate from academic responsibilities.

f) *Professional research*

g) *Committee responsibility*

h) *Other professional involvement:* Professional organization activities, community activities, etc.

Full-Time Faculty—Individuals contracted on a full-time basis to teach or supervise students.

Highest Earned Credential—The highest earned degree or diploma held by a faculty member.

Non-Nurse Faculty—Individuals who are not registered nurses and are contracted to teach students as a part of the nursing faculty.

Part-Time Faculty—Individuals employed less than the required hours for full-time faculty employment.

Statistical Significance—Indicates that using such statistical tests as analysis of variance (ANOVA) and chi-square, there is at least 95 percent confidence that the differences between groups is not random (i.e., significant at the 0.05 level).

Unfilled Positions—Full-time or full-time equivalent budgeted positions not filled as of January 1986.

JURISDICTIONS INCLUDED IN THE NLN REGIONS

North Atlantic

Connecticut
Delaware
District of Columbia
Maine
Massachusetts
New Hampshire
New Jersey
New York
Pennsylvania
Rhode Island
Vermont

Midwestern

Illinois
Indiana
Iowa
Kansas
Michigan
Minnesota
Missouri
Nebraska
North Dakota
Ohio
South Dakota
Wisconsin

Southern

Alabama
Arkansas
Florida
Georgia
Kentucky
Louisiana
Maryland
Mississippi
North Carolina
Oklahoma
South Carolina
Tennessee
Texas
Virginia
West Virginia

Western

Alaska
Arizona
California
Colorado
Hawaii
Idaho
Montana
Nevada
New Mexico
Oregon
Utah
Washington
Wyoming

Note: For both the RN and PN Student data, American Samoa, Guam, Puerto Rico, and the Virgin Islands are not included in aggregate data, but are listed separately on some tables with state data. For the RN and PN Faculty data the territories are included in tabulations unless otherwise indicated.

TIME PERIODS USED IN STATISTICAL DATA

Academic Year—The academic year is defined as September 1 through August 31 for the academic years 1961-62 through 1969-70, and as August 1 through July 31 for subsequent years.

Admissions—Admissions are calculated on the basis of the academic year, as defined above.

Graduations—Graduations are calculated on the basis of the academic year, as defined above.

Enrollments—Enrollments are calculated as of October 15 (the fall term) of each year.

Nursing Programs—The number of nursing programs is determined by identifying continuing, new, and discontinued programs between October 16 of the preceding year and October 15 of the year shown in the table.

NLN Accreditation Status—The NLN accreditation status of nursing programs is determined as of January 1 of the calendar year immediately following the end of the last academic year. For example, for the 1982-83 academic year, NLN accreditation status would be stated as of January 1984.

RN Students

SUMMARY AND RESULTS OF NURSING STUDENT CENSUS

Starting in the 1940s, NLN has conducted an annual survey each year of all state-approved schools of nursing in the United States and territories. The data presented in this module deals with RN and higher degree programs and cover the academic year from August 1983 through July 1984. These results are based on a 100 percent response from the entire universe of nursing schools, except where indicated.

Basic RN Education

The total number of basic RN programs in the United States has increased steadily since 1956. In 1984, a record 1,477 programs were reported. Associate degree programs, numbering 777, constituted over half the basic nursing programs, baccalaureate programs represented 29 percent (427) of the total, and the 273 diploma programs made up 18 percent of all basic RN programs. An additional 170 baccalaureate programs are specially designed for the returning RN.

Sixty-three percent (935) of all basic RN programs were publicly financed, while 37 percent (547) were financed from private sources. A regional breakdown indicates that the largest proportion of RN programs is in the South (484). The Midwest reported 431 RN programs, the North Atlantic region reported 357, and the West, 205.

Ninety-six percent of diploma programs and 86 percent of baccalaureate programs are accredited by NLN, while 55 percent of associate degree programs have NLN accreditation.

Admissions

Annual admissions, the number of first-time nursing students admitted between July 1983 and August 1984, reached 123,824—an almost 3 percent increase over the previous year.

However, fall admissions—the number of first-time students admitted from August to December—plunged almost 4 percent in 1984 to 91,085. Diploma programs reported the most significant losses since 1983—a nearly 11 percent decline. Associate degree programs registered a 2 percent decrease in fall admissions, while fall admissions to baccalaureate programs dropped 1 percent. Fall admissions are often used to project annual admissions; therefore, this drop signals the probability of lower enrollments in the next year.

Enrollments

Enrollment figures, as of October 15, 1984, reveal decreases in all program types. Total enrollments registered at 237,232—a 5.3 percent decrease over the 1983 figure. Diploma programs reported a drop of 11.3 percent to an enrollment level of 37,256 students. Baccalaureate and associate degree programs reported smaller decreases of about 4 percent each, to 95,008 and 104,968 students, respectively.

Graduations

Graduations from basic RN programs increased to 80,312—a 3.8 percent increase over the previous year. Associate degree and diploma programs reported increases to 44,394 and 12,200 students—6 percent and 4 percent, respectively. BSN programs reported a 0.6 percent drop in graduations in 1983-84, graduating 23,718 students.

Returning RNs in BSN Programs

Enrollments of RNs in baccalaureate programs continue to increase and in 1984 reached a record 41,112; of these, 22,520 were enrolled in generic programs and 18,592 were enrolled in baccalaureate programs specifically designed for RNs (BRN programs).

A total of 10,085 RNs graduated from baccalaureate programs—a 13.4 percent increase over the previous year; 6,275 graduated from generic baccalaureate programs, and 3,810 graduated from BRN programs.

Of all 33,803 students graduating from baccalaureate programs in 1984, 70 percent were generic students and 30 percent were returning RNs.

Men and Minority Students in Basic Nursing

The number of men admitted to RN programs rose to 7,971 in 1984. This figure represents only 7 percent of total admissions, however, and actually constitutes a small drop over the 1981 total. Similarly, blacks made up 8.1 percent of total annual admissions; Hispanics, 2.5 percent; Asians, 1.7 percent; and American Indians, 0.6 percent. These percentages all represent drops in the proportion of minority admissions since 1981.

Enrollments of men in basic RN programs increased in 1984 to 13,652, or 6.2 percent of the total enrollments. The percentages of blacks, Hispanics, Asians, and American Indians enrollments all dipped slightly compared to 1981 figures.

The percentage of male students graduating from basic RN programs remained unchanged in 1984, while the proportion of minority student graduates fell slightly.

Doctoral Programs

The number of doctoral nursing programs grew to 31 in 1984, and enrollment increased to a new high of 1,696. The number of doctoral degrees granted in 1983-84 jumped to 183. This figure repesents a 32 percent increase over the previous year.

An analysis of dissertation titles reveals that the majority (73%) of doctoral recipients researched a clinical specialty for their thesis. Smaller numbers studied issues concerning administration, research methodologies, theory development, nursing education, and public policy.

Master's Programs

The number of master's nursing programs grew to 166 in 1984, and enrollments rose to 18,822. The number of graduations from master's programs registered at 5,082—a 1 percent increase over the previous year but still less than the 1981-82 peak of 5,149.

Advanced clinical practice continues to attract the largest proportion of full-time and part-time master's students. Smaller groups of students majored in administration or teaching.

Medical-surgical nursing continues to attract the largest percentage of students, but maternal-child nursing is running a close second. Smaller numbers of students specialized in psychiatric/mental health nursing and community health nursing.

Nurse Practitioners

Starting for the first time with this 1984 survey, NLN is reporting data on the number of students enrolled in and graduating from formal nurse practitioner programs at the master's level.

Approximately 15 percent of all master's students (2,734) were enrolled in nurse practitioner programs in 1984. Seventeen percent of all master's graduates (841) successfully completed these programs.

Family practice attracted the largest group of students in nurse practitioner programs, with approximately 30 percent of the students. Adult health was the second most popular specialty, with about 25 percent of the students. Smaller numbers of students studied pediatrics, gerontology, midwifery, women's health, and school health.

Basic Nursing Education

BASIC RN EDUCATION

Basic RN Programs (Table 1)

- The total number of basic RN programs in the U.S. has increased steadily since 1965. In 1984, a record 1,477 programs were reported, outnumbering the previous record held in 1935, when 1,472 programs were reported.

- The number of baccalaureate and associate degree programs increased slightly over 1983 to 427 and 777 respectively, while the number of diploma programs continued to decline to 273.

- The 777 associate degree programs constitute over half the basic nursing programs—52.6 percent of the total. The 427 baccalaureate programs represent 28.9 percent of all RN programs, and the 273 diploma programs represent 18.5 percent of the total.

- In addition to the 427 generic baccalaureate programs, there were 170 baccalaureate programs exclusively designed for RNs (see Table 7).

Table 1

BASIC RN PROGRAMS AND PERCENTAGE CHANGE FROM PREVIOUS YEAR, BY TYPE OF PROGRAM: 1965 TO 1984[1]

YEAR	NUMBER OF SCHOOLS	ALL BASIC RN PROGRAMS		BACCALAUREATE PROGRAMS		ASSOCIATE DEGREE PROGRAMS		DIPLOMA PROGRAMS	
		Number of Programs	Percent Change	Number of Programs	Percent Change	Number of Programs	Percent Change	Number of Programs	Percent Change
1965	1,180	1,182	+2.8	197	+5.3	172	+32.3	813	−2.4
1966	1,206	1,212	+2.5	208	+5.6	215	+25.0	789	−3.0
1967	1,247	1,254	+3.5	219	+5.3	276	+28.4	759	−3.8
1968	1,272	1,278	+1.9	233	+6.4	324	+17.4	721	−5.0
1969	1,313	1,324	+3.6	252	+8.2	384	+18.5	688	−4.6
1970	1,330	1,340	+1.2	267	+6.0	437	+13.8	636	−7.6
1971	1,338	1,349	+0.7	282	+5.6	484	+10.8	583	−8.3
1972	1,350	1,362	+1.0	290	+2.8	532	+9.9	540	−7.4
1973	1,348	1,360	−0.1	302	+4.1	565	+6.2	493	−8.7
1974	1,347	1,358	−0.1	310	+2.6	588	+4.1	460	−6.7
1975	1,349	1,362	+0.3	326	+5.2	608	+3.4	428	−7.0
1976	1,337	1,358	−0.3	336	+3.1	632	+3.9	390	−8.9
1977	1,339	1,356	−0.1	344	+2.4	645	+2.1	367	−5.9
1978	1,340	1,358	+0.1	348	+1.2	666	+3.3	344	−6.3
1979	1,354	1,374	+1.2	363	+4.3	678	+1.8	333	−3.2
1980	1,360	1,385	+0.8	377	+3.9	697	+2.8	311	−6.6
1981	1,377	1,401	+1.2	383	+1.6	715	+2.6	303	−2.6
1982	1,406	1,432	+2.2	402	+5.0	742	+3.8	288	−5.0
1983	1,432	1,466	+2.4	421	+4.7	764	+3.0	281	−2.4
1984	1,445	1,477	+0.8	427	+1.4	777	+1.7	273	−2.8

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

RN Programs, by Source of Funding (Table 2)

- Sixty-three percent (935) of all basic RN programs were publicly financed, while 37 percent (542) were privately financed. This proportion has not changed significantly over the past few years.
- Among baccalaureate programs, the number of privately and publicly supported programs is about equal.
- A majority (88%) of associate degree programs were publicly funded, while 12 percent were privately supported. Conversely, the majority of diploma programs were privately funded (86.1%), while 13.9 percent were publicly funded.

Table 2
PUBLIC AND PRIVATE BASIC RN PROGRAMS, BY TYPE OF PROGRAM: 1975 TO 1984 [1]

PUBLIC AND PRIVATE NURSING PROGRAMS	NUMBER OF PROGRAMS									
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
All Programs	**1,362**	**1,358**	**1,356**	**1,358**	**1,374**	**1,385**	**1,401**	**1,432**	**1,466**	**1,477**
Public	791	813	819	830	840	861	870	902	916	935
Private	571	545	537	528	534	524	531	530	550	542
Baccalaureate	326	336	344	348	363	377	383	402	421	427
Public	174	180	184	186	190	198	196	203	210	213
Private	152	156	160	162	173	179	187	199	211	214
Associate Degree	608	632	645	666	678	697	715	742	764	777
Public	551	571	581	599	609	624	638	662	669	684
Private	57	61	64	67	69	73	77	80	95	93
Diploma	428	390	367	344	333	311	303	288	281	273
Public	66	62	54	45	41	39	36	37	37	38
Private	362	328	313	299	292	272	267	251	244	235

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

RN Programs, by Region and State (Tables 3-6)

- The South reported the largest proportion of basic RN programs with 484 programs—almost 33 percent of the total. The Midwest reported 29.2 percent of all programs, the North Atlantic reported 24.2 percent, and the West 13.9 percent of the total (see Table 3).

- Among baccalaureate programs, the regional breakdown reveals 34.4 percent of the programs in the South, 29 percent in the Midwest, 25 percent in the North Atlantic, and 11.5 percent in the West (see Table 4).

- A slightly different picture emerges in the regional breakdown of associate degree programs: 36.8 percent are in the South, 26.2 percent are in the Midwest, 19.4 percent are in the West, and 17.5 percent are in the North Atlantic (see Table 5).

- The regional breakdown among diploma programs shows the North Atlantic leading, with 41.8 percent (114) of the nation's diploma programs. The Midwest follows, with 37.7 percent of these programs. The South has 18.7 percent and the West only 1.8 percent of diploma programs (see Table 6).

- A comparison of the regional breakdowns by type of programs reveals that although associate degree programs constitute the largest proportion of nursing programs in all regions, the percentage ranges from 38 percent of all the North Atlantic programs to almost 74 percent of the Western programs (see Tables 3-6).

Region	Baccalaureate	Associate Degree	Diploma
North Atlantic	30.0%	38.0%	32.0%
Midwest	28.7	47.5	23.8
South	30.4	59.0	10.6
West	23.9	73.7	2.4

Table 3

ALL BASIC RN PROGRAMS, BY NLN REGION AND STATE: 1975 TO 1984 [1]

NLN REGION AND STATE	NUMBER OF PROGRAMS									
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
United States	**1,362**	**1,358**	**1,356**	**1,358**	**1,374**	**1,385**	**1,401**	**1,432**	**1,466**	**1,477**
North Atlantic	402	384	370	359	351	344	342	341	348	357
Midwest	388	388	387	393	404	409	417	426	431	431
South	392	404	415	418	431	440	449	465	480	484
West	180	182	184	188	188	192	193	200	207	205
Alabama	27	27	31	31	34	34	35	37	37	37
Alaska	2	2	2	2	2	2	2	2	2	2
Arizona	15	15	15	14	14	16	16	18	17	16
Arkansas	14	20	19	19	19	19	20	20	20	20
California	84	83	83	84	84	87	88	90	94	93
Colorado	11	11	11	12	12	12	12	12	12	12
Connecticut	25	20	19	19	19	19	18	18	18	18
Delaware	9	7	7	7	7	7	7	7	7	7
District of Columbia	7	7	7	7	7	7	7	6	6	6
Florida	28	28	31	31	33	34	34	35	39	40
Georgia	32	32	33	33	33	35	33	32	34	34
Hawaii	5	5	5	5	5	5	5	5	5	6
Idaho	6	6	6	6	6	6	6	6	6	6
Illinois	79	79	78	80	82	80	78	79	80	78
Indiana	28	28	29	30	31	30	29	30	31	37
Iowa	32	32	32	33	35	36	38	39	39	39
Kansas	21	24	24	24	26	27	29	31	31	30
Kentucky	27	25	26	28	27	26	26	27	29	28
Louisiana	16	16	16	16	16	16	16	17	20	22
Maine	9	10	9	9	9	9	9	10	12	12
Maryland	23	21	24	23	22	22	24	24	25	25
Massachusetts	59	56	56	52	52	51	48	48	48	48
Michigan	46	46	46	46	45	45	49	50	53	51
Minnesota	25	24	24	23	24	25	25	26	25	25
Mississippi	19	21	21	22	22	23	23	23	22	22
Missouri	34	35	35	35	35	37	38	38	39	39
Montana	5	5	5	4	4	4	4	4	4	4
Nebraska	14	11	12	12	12	11	11	11	11	11
Nevada	3	3	3	4	4	4	4	5	5	5
New Hampshire	9	9	8	8	8	7	8	11	10	11
New Jersey	41	41	41	41	41	40	38	38	39	39
New Mexico	9	9	9	10	10	11	11	11	11	11
New York	124	120	112	108	103	98	100	98	99	106
North Carolina	46	45	46	46	48	50	51	55	57	57
North Dakota	9	9	9	9	9	9	9	9	9	9
Ohio	68	69	67	68	71	72	71	71	72	71
Oklahoma	19	17	18	18	21	22	25	26	26	27
Oregon	12	13	14	16	16	16	16	16	19	18
Pennsylvania	108	103	100	97	94	95	96	95	97	98
Rhode Island	7	7	7	7	7	7	7	7	7	7
South Carolina	14	15	14	14	15	15	17	19	18	19
South Dakota	9	8	8	8	8	8	9	9	9	9
Tennessee	29	28	28	28	29	33	32	32	33	33
Texas	44	53	53	54	56	56	58	64	65	64
Utah	4	5	5	5	5	5	5	5	5	4
Vermont	4	4	4	4	4	4	4	5	5	5
Virginia	38	38	37	37	38	38	38	37	37	37
Washington	22	23	23	23	23	21	21	22	23	23
West Virginia	15	16	17	17	17	17	17	17	18	18
Wisconsin	24	24	24	26	27	29	31	31	32	33
Wyoming	2	2	3	3	3	3	3	4	5	5
American Samoa	0	0	0	0	0	0	1	1	1	1
Guam	1	1	1	1	1	1	1	1	1	1
Puerto Rico	11	13	14	14	13	16	18	19	19	19
Virgin Islands	1	1	1	1	1	1	1	2	2	2

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 4

BACCALAUREATE NURSING PROGRAMS, BY NLN REGION AND STATE: 1975 TO 1984 [1]

NLN REGION AND STATE	NUMBER OF PROGRAMS									
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
United States	**326**	**336**	**344**	**348**	**363**	**377**	**383**	**402**	**421**	**427**
North Atlantic	91	93	95	95	95	96	101	103	105	107
Midwest	93	95	96	97	105	110	111	117	121	124
South	98	105	109	113	120	128	129	137	147	147
West	44	43	44	43	43	43	42	45	48	49
Alabama	8	8	9	10	12	12	12	13	13	13
Alaska	1	1	1	1	1	1	1	1	1	1
Arizona	2	2	2	2	2	2	2	4	4	4
Arkansas	6	7	7	7	7	7	7	7	7	7
California	19	19	19	19	19	19	18	19	20	20
Colorado	3	3	3	3	3	3	3	3	3	3
Connecticut	7	7	7	7	7	7	7	7	7	7
Delaware	2	2	2	2	2	2	2	2	2	2
District of Columbia	5	5	5	5	5	5	5	5	5	5
Florida	6	6	8	8	9	10	10	12	13	12
Georgia	7	6	6	7	8	11	9	10	13	13
Hawaii	1	1	1	1	1	1	1	1	1	2
Idaho	1	1	1	1	1	1	1	1	1	1
Illinois	14	14	14	15	19	19	20	21	22	22
Indiana	9	9	9	9	9	10	9	10	11	13
Iowa	8	8	8	8	8	9	10	10	10	10
Kansas	6	7	7	7	8	9	9	9	9	9
Kentucky	5	5	5	6	5	5	5	6	7	7
Louisiana	7	7	7	7	7	7	7	8	10	12
Maine	2	2	2	2	2	2	2	2	3	3
Maryland	5	5	6	6	5	5	5	5	6	6
Massachusetts	10	10	11	11	13	13	13	14	14	14
Michigan	11	12	12	12	12	12	12	13	13	13
Minnesota	9	9	9	9	9	9	9	10	10	10
Mississippi	5	5	5	6	7	7	7	7	7	7
Missouri	7	7	7	7	7	8	8	9	9	9
Montana	2	2	2	2	2	2	2	2	2	2
Nebraska	4	3	4	4	4	4	4	4	4	4
Nevada	2	1	1	1	1	1	1	1	1	1
New Hampshire	2	2	2	2	2	2	3	3	3	3
New Jersey	7	7	7	7	7	7	7	7	7	7
New Mexico	1	1	2	1	1	1	1	1	1	1
New York	31	32	32	32	30	30	31	31	31	32
North Carolina	11	11	11	11	11	11	12	12	12	11
North Dakota	4	4	4	4	4	4	4	4	4	4
Ohio	11	12	12	12	14	14	14	14	15	15
Oklahoma	6	6	7	7	8	9	9	10	11	11
Oregon	2	2	2	2	2	2	2	2	4	4
Pennsylvania	21	22	23	23	23	24	27	28	29	30
Rhode Island	3	3	3	3	3	3	3	3	3	3
South Carolina	3	4	3	3	4	4	4	4	4	4
South Dakota	3	3	3	3	3	3	3	3	3	3
Tennessee	7	6	6	6	6	9	9	9	9	9
Texas	11	17	17	17	18	18	20	21	21	21
Utah	3	3	3	3	3	3	3	3	3	3
Vermont	1	1	1	1	1	1	1	1	1	1
Virginia	7	7	7	7	8	9	9	9	9	9
Washington	6	6	6	6	6	6	6	6	6	6
West Virginia	3	4	4	4	4	4	4	4	5	5
Wisconsin	8	8	8	8	9	9	9	10	11	12
Wyoming	1	1	1	1	1	1	1	1	1	1
American Samoa	0	0	0	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0	0	0	0
Puerto Rico	3	5	5	5	5	8	10	11	11	11
Virgin Islands	0	0	0	0	0	0	0	1	1	1

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 5
ASSOCIATE DEGREE NURSING PROGRAMS, BY NLN REGION AND STATE: 1975 TO 1984 [1]

NLN REGION AND STATE	NUMBER OF PROGRAMS									
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
United States	**608**	**632**	**645**	**666**	**678**	**697**	**715**	**742**	**764**	**777**
North Atlantic	112	115	116	119	120	121	119	124	129	136
Midwest	150	155	158	167	172	180	191	199	203	204
South	221	233	241	244	250	254	261	271	279	286
West	125	129	130	136	136	142	144	148	153	151
Alabama	13	14	17	17	18	18	19	20	20	20
Alaska	1	1	1	1	1	1	1	1	1	1
Arizona	13	13	13	12	12	14	14	14	13	12
Arkansas	8	12	11	11	11	11	11	11	11	11
California	60	60	60	61	61	64	66	67	71	71
Colorado	6	6	6	7	7	7	7	7	7	7
Connecticut	7	7	7	7	7	7	6	6	6	6
Delaware	3	3	3	3	3	3	3	3	3	3
District of Columbia	1	1	1	1	1	1	1	1	1	1
Florida	21	21	22	22	23	23	23	22	25	27
Georgia	19	21	21	21	20	20	20	19	19	19
Hawaii	4	4	4	4	4	4	4	4	4	4
Idaho	5	5	5	5	5	5	5	5	5	5
Illinois	32	32	33	34	33	33	33	34	34	34
Indiana	12	12	13	14	15	14	14	14	14	18
Iowa	14	14	14	16	18	18	19	20	20	20
Kansas	8	10	10	11	12	14	16	19	19	18
Kentucky	18	18	19	20	20	20	20	20	21	21
Louisiana	6	6	6	6	6	6	6	6	6	6
Maine	2	3	3	3	3	3	3	4	5	5
Maryland	11	11	13	13	13	13	14	14	14	14
Massachusetts	19	18	19	19	20	20	18	19	19	19
Michigan	23	23	24	24	24	25	29	30	33	32
Minnesota	9	10	10	10	11	12	12	12	12	12
Mississippi	12	14	14	14	13	14	14	14	14	14
Missouri	14	15	15	16	16	17	19	19	20	20
Montana	2	2	2	2	2	2	2	2	2	2
Nebraska	2	2	2	2	2	2	2	2	2	2
Nevada	1	2	2	3	3	3	3	4	4	4
New Hampshire	1	1	1	1	1	1	1	4	5	6
New Jersey	13	13	13	13	13	13	13	13	14	14
New Mexico	8	8	7	9	9	10	10	10	10	10
New York	43	46	45	48	48	46	48	47	48	54
North Carolina	26	26	27	28	30	32	32	36	38	40
North Dakota	2	2	2	2	2	2	2	2	2	2
Ohio	24	24	24	25	26	28	27	28	28	28
Oklahoma	10	10	10	10	12	12	15	15	15	16
Oregon	9	10	11	13	13	13	13	13	14	13
Pennsylvania	18	18	19	19	19	22	21	21	22	22
Rhode Island	2	2	2	2	2	2	2	2	2	2
South Carolina	10	10	10	10	10	10	12	14	13	14
South Dakota	3	3	3	3	3	3	4	4	4	4
Tennessee	15	15	15	15	16	17	16	16	17	17
Texas	27	30	30	31	32	32	33	38	40	40
Utah	1	2	2	2	2	2	2	2	2	1
Vermont	3	3	3	3	3	3	3	4	4	4
Virginia	15	15	15	15	15	15	15	15	15	15
Washington	14	15	15	15	15	15	15	16	17	17
West Virginia	10	10	11	11	11	11	11	11	11	11
Wisconsin	7	8	8	10	10	12	14	15	15	15
Wyoming	1	1	2	2	2	2	2	3	4	4
American Samoa	0	0	0	0	0	0	1	1	1	1
Guam	1	1	1	1	1	1	1	1	1	1
Puerto Rico	8	8	9	9	8	8	8	8	8	8
Virgin Islands	1	1	1	1	1	1	1	1	1	1

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 6
DIPLOMA NURSING PROGRAMS, BY NLN REGION AND STATE: 1975 TO 1984 [1]

NLN REGION AND STATE	NUMBER OF PROGRAMS									
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
United States	**428**	**390**	**367**	**344**	**333**	**311**	**303**	**288**	**281**	**273**
North Atlantic	199	176	159	145	136	127	122	114	114	114
Midwest	145	138	133	129	127	119	115	110	107	103
South	73	66	65	61	61	58	59	57	54	51
West	11	10	10	9	9	7	7	7	6	5
Alabama	6	5	5	4	4	4	4	4	4	4
Alaska	0	0	0	0	0	0	0	0	0	0
Arizona	0	0	0	0	0	0	0	0	0	0
Arkansas	0	1	1	1	1	1	2	2	2	2
California	5	4	4	4	4	4	4	4	3	2
Colorado	2	2	2	2	2	2	2	2	2	2
Connecticut	11	6	5	5	5	5	5	5	5	5
Delaware	4	2	2	2	2	2	2	2	2	2
District of Columbia	1	1	1	1	1	1	1	0	0	0
Florida	1	1	1	1	1	1	1	1	1	1
Georgia	6	6	6	5	5	4	4	3	2	2
Hawaii	0	0	0	0	0	0	0	0	0	0
Idaho	0	0	0	0	0	0	0	0	0	0
Illinois	33	33	31	31	30	28	25	24	24	22
Indiana	7	7	7	7	7	6	6	6	6	6
Iowa	10	10	10	9	9	9	9	9	9	9
Kansas	7	7	7	6	6	4	4	3	3	3
Kentucky	4	2	2	2	2	1	1	1	1	0
Louisiana	3	3	3	3	3	3	3	3	4	4
Maine	5	5	4	4	4	4	4	4	4	4
Maryland	7	5	5	4	4	4	5	5	5	5
Massachusetts	30	28	26	22	19	18	17	15	15	15
Michigan	12	11	10	10	9	8	8	7	7	6
Minnesota	7	5	5	4	4	4	4	4	3	3
Mississippi	2	2	2	2	2	2	2	2	1	1
Missouri	13	13	13	12	12	12	11	10	10	10
Montana	1	1	1	0	0	0	0	0	0	0
Nebraska	8	6	6	6	6	5	5	5	5	5
Nevada	0	0	0	0	0	0	0	0	0	0
New Hampshire	6	6	5	5	5	4	4	4	2	2
New Jersey	21	21	21	21	21	20	18	18	18	18
New Mexico	0	0	0	0	0	0	0	0	0	0
New York	50	42	35	28	25	22	21	20	20	20
North Carolina	9	8	8	7	7	7	7	7	7	6
North Dakota	3	3	3	3	3	3	3	3	3	3
Ohio	33	33	31	31	31	30	30	29	29	28
Oklahoma	3	1	1	1	1	1	1	1	0	0
Oregon	1	1	1	1	1	1	1	1	1	1
Pennsylvania	69	63	58	55	52	49	48	46	46	46
Rhode Island	2	2	2	2	2	2	2	2	2	2
South Carolina	1	1	1	1	1	1	1	1	1	1
South Dakota	3	2	2	2	2	2	2	2	2	2
Tennessee	7	7	7	7	7	7	7	7	7	7
Texas	6	6	6	6	6	6	5	5	4	3
Utah	0	0	0	0	0	0	0	0	0	0
Vermont	0	0	0	0	0	0	0	0	0	0
Virginia	16	16	15	15	15	14	14	13	13	13
Washington	2	2	2	2	2	0	0	0	0	0
West Virginia	2	2	2	2	2	2	2	2	2	2
Wisconsin	9	8	8	8	8	8	8	6	6	6
Wyoming	0	0	0	0	0	0	0	0	0	0
American Samoa	0	0	0	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0	0	0	0
Puerto Rico	0	0	0	0	0	0	0	0	0	0
Virgin Islands	0	0	0	0	0	0	0	0	0	0

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Baccalaureate Nursing Programs: Accreditation Status (Table 7)

- The number of nursing programs offering the baccalaureate degree increased to 597 in 1984. Of these, 347 admitted both basic (generic) and RN students, 170 admitted RNs only, and 80 admitted basic (generic) students only.

- Of the 597 total baccalaureate programs (both basic and RN programs), 75.9 percent were accredited by NLN. This represents an increase of almost 4 percent since 1983.

Table 7
BACCALAUREATE NURSING PROGRAMS THAT ENROLL BASIC AND/OR RN STUDENTS, BY NLN ACCREDITATION STATUS: JUNE 1985[1]

NLN ACCREDITATION STATUS	TOTAL NUMBER OF PROGRAMS	TYPE OF STUDENT ENROLLED		
		Basic Students Only[2]	Both Basic and RN Students	RN Students Only
Total	**597**	**80**	**347**	**170**
Accredited	453	49	319	85
Non-Accredited	144	31	28	85

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Program is listed under "Basic Student Only" when no RN enrollees are reported.

Basic Nursing Programs: Accreditation and State Data (Table 8)

- As of June 1985, 71.4 percent of all basic RN programs (1,055) were accredited by NLN.

- For each type of program, the percentage accredited by NLN is as follows:

Baccalaureate	86.2%
Associate Degree	54.7%
Diploma	96.0%

- The percentage of NLN-accredited programs in each region breaks down as follows:

North Atlantic	83.2%
Midwest	73.3%
South	68.0%
West	55.1%

Table 8
BASIC RN PROGRAMS, BY TYPE OF PROGRAM, AND NLN ACCREDITATION STATUS: JUNE 1985[1]

NLN REGION AND STATE	NUMBER OF SCHOOLS	NUMBER OF PROGRAMS											
		ALL BASIC RN PROGRAMS			BACCALAUREATE PROGRAMS			ASSOCIATE DEGREE PROGRAMS			DIPLOMA PROGRAMS		
		Total	Accredited	Not Accredited	Total	Accredited	Not Accredited	Total	Accredited	Not Accredited	Total	Accredited	Not Accredited
United States	**1,445**	**1,477**	**1,055**	**422**	**427**	**368**	**59**	**777**	**425**	**352**	**273**	**262**	**11**
North Atlantic	354	357	297	60	107	94	13	136	92	44	114	111	3
Midwest	423	432	316	116	124	106	18	205	107	98	103	103	0
South	467	483	329	154	147	124	23	285	162	123	51	43	8
West	201	205	113	92	49	44	5	151	64	87	5	5	0
Alabama	35	37	32	5	13	12	1	20	16	4	4	4	0
Alaska	2	2	2	0	1	1	0	1	1	0	0	0	0
Arizona	16	16	14	2	4	4	0	12	10	2	0	0	0
Arkansas	19	20	15	5	7	7	0	11	7	4	2	1	1
California	91	93	41	52	20	18	2	71	21	50	3	2	0
Colorado	12	12	9	3	3	3	0	7	4	3	2	2	0
Connecticut	18	18	18	0	7	7	0	6	6	0	5	5	0
Delaware	7	7	4	3	2	1	1	3	2	1	2	1	1
District of Columbia	6	6	6	0	5	5	0	1	1	0	0	0	0
Florida	40	40	18	22	12	9	3	27	8	19	1	1	0
Georgia	31	34	30	4	13	9	4	19	19	0	2	2	0
Hawaii	5	6	2	4	2	1	1	4	1	3	0	0	0
Idaho	6	6	6	0	1	1	0	5	5	0	0	0	0
Illinois	78	78	59	19	22	18	4	34	19	15	22	22	0
Indiana	32	37	27	10	13	10	3	18	11	7	6	6	0
Iowa	39	39	16	23	10	7	3	20	0	20	9	9	0
Kansas	29	30	25	5	9	9	0	18	13	5	3	3	0
Kentucky	26	28	16	12	7	6	1	21	10	11	0	0	0
Louisiana	22	22	15	7	12	7	5	6	5	1	4	3	1
Maine	12	12	9	3	3	2	1	5	3	2	4	4	0
Maryland	25	25	17	8	6	5	1	14	8	6	5	4	1
Massachusetts	48	48	44	4	14	13	1	19	16	3	15	15	0
Michigan	50	51	26	25	13	12	1	32	8	24	6	6	0
Minnesota	25	25	21	4	10	10	0	12	8	4	3	3	0
Mississippi	20	22	16	6	7	7	0	14	9	5	1	0	1
Missouri	38	39	25	14	9	6	3	20	9	11	10	10	0
Montana	4	4	2	2	2	2	0	2	0	2	0	0	0
Nebraska	11	11	11	0	4	4	0	2	2	0	5	5	0
Nevada	5	5	2	3	1	1	0	4	1	3	0	0	0
New Hampshire	11	11	5	6	3	2	1	6	1	5	2	2	0
New Jersey	39	39	37	2	7	7	0	14	12	2	18	18	0
New Mexico	11	11	5	6	1	1	0	10	4	6	0	0	0
New York	105	106	85	21	32	31	1	54	35	19	20	19	1
North Carolina	57	57	19	38	11	11	0	40	4	36	6	11	2
North Dakota	9	9	9	0	4	4	0	2	2	0	3	3	0
Ohio	70	71	63	8	15	14	1	28	21	7	28	28	0
Oklahoma	27	27	17	10	11	7	4	16	10	6	0	0	0
Oregon	18	18	9	9	4	2	2	13	6	7	1	1	0
Pennsylvania	97	98	78	20	30	22	8	22	11	11	46	45	1
Rhode Island	7	7	7	0	3	3	0	2	2	0	2	2	0
South Carolina	18	19	9	10	4	3	1	14	6	8	1	0	1
South Dakota	9	9	8	1	3	3	0	4	3	1	2	2	0
Tennessee	30	33	25	8	9	8	1	17	11	6	7	7	0
Texas	62	64	54	10	21	21	0	40	30	10	3	3	0
Utah	4	4	4	0	3	3	0	1	1	0	0	0	0
Vermont	4	5	4	1	1	1	0	4	3	1	0	0	0
Virginia	37	37	32	5	9	8	1	15	12	3	13	12	1
Washington	22	23	15	8	6	6	0	17	9	8	0	0	0
West Virginia	18	18	13	5	5	4	1	11	7	4	2	2	0
Wisconsin	33	33	26	7	12	9	3	15	11	4	6	6	0
Wyoming	5	5	2	3	1	1	0	4	1	3	0	0	0
American Samoa	1	1	0	1	0	0	0	1	0	1	0	0	0
Guam	1	1	0	1	0	0	0	1	0	1	0	0	0
Puerto Rico	13	19	7	12	11	3	8	8	4	4	0	0	0
Virgin Islands	1	2	1	1	1	0	1	1	1	0	0	0	0

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

TUITION AND FEES

RN Programs: Tuition and Fees (Tables 9-12)

- Tuition data are reported separately for public and private institutions since costs in publicly supported schools differ markedly from those in privately supported schools. Keep in mind the following breakdown of nursing programs by source of funding when analyzing tuition data:

Type of Program	Public	Private
Baccalaureate	50%	50%
Associate Degree	88	12
Diploma	14	86
Total	63	37

- Starting with this 1984 annual survey, NLN will report mean tuition and fees, rather than medians. The change to means will make this data more comparable to tuition data in other educational programs. Because of this change from previous years' data, accurate analyses of trends cannot be reported. It is safe to conclude, however, that tuition rose significantly in all types of programs in both public and private institutions.

- The mean total of annual tuition and fees in all publicly supported RN programs was $1,567 for the 1984-85 school year; in privately supported programs the figure was $3,475 (see Table 9).

- Baccalaureate programs reported the highest tuition and fees in both publicly and privately funded institutions. The mean total tuition and fees was $2,563 for public baccalaureate programs and $5,340 for private degree programs (see Table 10).

- Public associate degree programs reported the lowest tuition and fees—a mean total of $1,075. The comparable figure for private associate degree programs was $4,133 (see Table 11).

Table 9

MEAN[1] ANNUAL TUITION AND FEES OF FULL-TIME STUDENTS IN PUBLIC OR PRIVATE BASIC RN PROGRAMS, BY NLN REGION AND STATE: 1984-85[2]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING TUITION AND FEES		TOTAL ANNUAL TUITION AND FEES		ANNUAL TUITION		ANNUAL FEES	
	Public	Private	Public[3]	Private	Public[3]	Private	Public[3]	Private
United States	**943**	**374**	**$1,567**	**$3,475**	**$1,322**	**$3,187**	**$245**	**$288**
North Atlantic	164	153	2,082	3,745	1,803	3,471	279	274
Midwest	264	124	2,104	3,336	1,832	3,014	272	322
South	372	78	1,165	2,779	933	2,486	232	293
West	143	19	1,032	5,076	841	4,908	191	168
Alabama	29	6	1,328	3,154	1,073	2,373	255	778
Alaska	2	—	1,166	—	660	—	506	—
Arizona	14	—	969	—	673	—	296	—
Arkansas	16	3	1,038	945	872	835	166	110
California	55	10	596	6,044	461	5,847	135	197
Colorado	9	2	1,431	4,680	1,270	4,525	161	155
Connecticut	7	7	1,851	4,303	1,562	4,041	289	262
Delaware	4	1	1,051	5,300	964	5,300	87	—
District of Columbia	3	2	5,552	5,386	5,234	5,150	318	236
Florida	32	4	1,349	3,735	1,079	3,488	270	247
Georgia	29	4	1,515	2,679	1,264	2,532	251	147
Hawaii	4	—	630	—	475	—	145	—
Idaho	4	1	995	1,420	838	1,310	157	110
Illinois	43	25	2,051	3,574	1,740	3,346	311	228
Indiana	23	9	2,476	4,192	2,163	2,910	313	1,282
Iowa	23	12	2,380	3,243	2,166	3,101	214	142
Kansas	25	3	1,769	2,173	1,434	1,843	335	330
Kentucky	18	4	1,055	3,701	914	3,548	141	153
Louisiana	17	3	1,066	2,217	793	1,504	273	713
Maine	3	4	1,615	3,904	1,387	3,566	228	338
Maryland	17	6	1,175	3,376	953	3,129	222	247
Massachusetts	20	22	1,492	4,534	1,189	4,229	303	305
Michigan	40	5	1,859	3,135	1,606	3,001	253	134
Minnesota	21	4	2,890	5,325	2,662	4,382	228	943
Mississippi	18	—	1,312	—	975	—	337	—
Missouri	20	14	1,435	2,742	1,185	2,644	250	98
Montana	2	—	2,610	—	2,052	—	558	—
Nebraska	3	7	2,446	3,479	2,303	3,274	143	205
Nevada	3	—	914	—	914	—	—	—
New Hampshire	7	4	2,364	3,034	2,141	2,354	223	680
New Jersey	20	14	1,741	1,921	1,430	1,713	311	208
New Mexico	9	12	788	3,826	678	3,648	110	178
New York	51	44	1,636	4,168	1,397	3,943	239	225
North Carolina	50	2	863	826	709	688	154	138
North Dakota	5	4	1,246	3,222	1,073	2,996	173	226
Ohio	32	31	2,222	3,085	1,915	2,770	307	315
Oklahoma	22	3	1,174	3,062	981	2,868	193	194
Oregon	13	1	1,506	6,264	1,209	6,030	297	234
Pennsylvania	41	51	2,888	3,378	2,567	3,130	321	248
Rhode Island	3	2	2,981	3,098	2,725	2,941	256	157
South Carolina	15	—	1,483	—	1,106	—	377	—
South Dakota	5	3	3,675	3,669	3,486	3,369	189	300
Tennessee	20	10	1,452	2,480	1,140	2,294	312	186
Texas	46	7	756	2,610	506	2,329	250	281
Utah	2	2	1,767	2,771	1,099	2,725	668	46
Vermont	3	2	2,594	5,219	2,226	3,733	368	1,486
Virginia	20	13	1,286	2,262	1,142	2,072	144	190
Washington	20	1	1,852	5,750	1,699	5,640	153	110
West Virginia	12	6	1,513	4,344	1,232	4,032	281	312
Wisconsin	24	7	1,850	3,140	1,604	2,968	246	—
Wyoming	5	—	736	—	373	—	363	—
American Samoa	—	—	—	—	—	—	—	—
Guam	1	—	620	—	475	—	145	—
Puerto Rico	9	7	1,187	2,611	996	2,178	191	433
Virgin Islands	2	—	623	—	528	—	95	—

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[1] The mean is the sum of the observations divided by the number of observations. These reported means of tuitions and fees may be slightly higher than the medians reported in past years.

[2] National and regional tables include American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[3] For publicly supported programs, data on tuition and fees exclude students who are non-residents of the state and/or county where the school is located.

Table 10
MEAN[1] ANNUAL TUITION AND FEES OF FULL-TIME STUDENTS IN PUBLIC OR PRIVATE BACCALAUREATE NURSING PROGRAMS, BY NLN REGION AND STATE: 1984-85[2]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING TUITION AND FEES		TOTAL ANNUAL TUITION AND FEES		ANNUAL TUITION		ANNUAL FEES	
	Public	Private	Public[3]	Private	Public[3]	Private	Public[3]	Private
United States	**293**	**106**	**$2,563**	**$5,340**	**$2,318**	**$5,078**	**$245**	**$262**
North Atlantic	51	47	3,300	5,891	3,033	5,631	267	260
Midwest	89	26	3,354	5,339	3,120	5,214	234	125
South	126	24	1,659	4,195	1,443	3,760	216	435
West	27	9	2,782	5,513	2,408	5,311	374	202
Alabama	11	2	1,919	5,257	1,707	3,294	212	1,963
Alaska	1	—	832	—	720	—	112	—
Arizona	4	—	1,548	—	983	—	565	—
Arkansas	6	1	1,461	828	1,278	780	183	48
California	6	5	3,291	6,355	2,927	6,104	364	251
Colorado	1	1	2,859	6,041	2,425	5,800	434	241
Connecticut	4	2	2,522	6,181	2,101	5,993	421	188
Delaware	1	—	1,710	—	1,710	—	—	—
District of Columbia	2	2	7,924	5,386	7,575	5,150	349	236
Florida	8	4	1,694	3,735	1,561	3,488	133	247
Georgia	12	1	2,089	4,004	1,906	3,812	183	192
Hawaii	1	—	850	—	850	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	13	7	4,232	5,473	3,770	5,389	462	84
Indiana	10	1	2,957	5,656	2,758	5,478	199	178
Iowa	7	3	4,995	5,097	4,803	5,030	192	67
Kansas	8	1	2,252	3,647	2,086	3,105	166	542
Kentucky	5	1	1,701	3,680	1,644	3,680	57	—
Louisiana	10	—	1,030	—	871	—	159	—
Maine	1	2	1,692	5,533	1,509	5,225	183	308
Maryland	3	2	1,468	7,427	1,048	7,068	420	359
Massachusetts	7	7	1,819	7,139	1,568	6,809	251	330
Michigan	12	1	2,994	1,946	2,849	1,946	145	—
Minnesota	9	1	4,406	7,650	4,235	7,650	171	—
Mississippi	7	—	2,138	—	1,626	—	512	—
Missouri	5	2	2,724	4,947	2,236	4,808	488	139
Montana	2	—	2,610	—	2,052	—	558	—
Nebraska	2	1	2,922	5,735	2,864	5,700	58	35
Nevada	—	—	—	—	—	—	—	—
New Hampshire	2	1	4,221	1,176	3,840	940	381	236
New Jersey	3	2	4,615	4,735	4,346	4,535	269	200
New Mexico	1	—	623	—	408	—	215	—
New York	11	19	2,324	5,894	2,154	5,682	170	212
North Carolina	10	—	2,068	—	1,944	—	124	—
North Dakota	3	1	1,388	5,513	1,159	5,120	229	393
Ohio	8	5	2,655	6,178	2,552	6,101	103	77
Oklahoma	9	2	1,663	3,508	1,449	3,340	214	168
Oregon	3	1	3,187	6,264	2,747	6,030	440	234
Pennsylvania	16	12	4,155	5,841	3,863	5,524	292	317
Rhode Island	3	—	2,981	—	2,725	—	256	—
South Carolina	4	—	1,933	—	1,672	—	261	—
South Dakota	3	—	3,678	—	3,444	—	234	—
Tennessee	8	1	1,243	7,316	827	7,000	416	316
Texas	16	2	1,257	3,741	1,043	3,567	214	174
Utah	1	2	1,387	2,771	1,177	2,725	210	46
Vermont	1	—	2,965	—	2,550	—	415	—
Virginia	7	2	1,824	4,431	1,684	4,297	140	134
Washington	6	—	4,580	—	4,205	—	375	—
West Virginia	3	2	2,875	5,094	2,616	4,780	259	314
Wisconsin	9	3	3,274	4,756	3,043	4,542	231	214
Wyoming	1	—	358	—	358	—	—	—
American Samoa	—	—	—	—	—	—	—	—
Guam	—	—	—	—	—	—	—	—
Puerto Rico	6	4	1,163	2,754	990	2,083	173	671
Virgin Islands	1	—	608	—	528	—	80	—

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[1] The mean is the sum of the observations divided by the number of observations. These reported means of tuitions and fees may be slightly higher than the medians reported in past years.

[2] National and regional totals include American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[3] For publicly supported programs, data on tuition and fees exclude students who are non-residents of the state and/or county where the school is located.

Table 11

MEAN[1] ANNUAL TUITION AND FEES OF FULL-TIME STUDENTS IN PUBLIC OR PRIVATE ASSOCIATE DEGREE NURSING PROGRAMS, BY NLN REGION AND STATE: 1984-85[2]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING TUITION AND FEES		TOTAL ANNUAL TUITION AND FEES		ANNUAL TUITION		ANNUAL FEES	
	Public	Private	Public[3]	Private	Public[3]	Private	Public[3]	Private
United States	**614**	**61**	**$1,075**	**$4,133**	**$836**	**$3,758**	**$239**	**$375**
North Atlantic	96	24	1,394	4,320	1,149	3,996	245	324
Midwest	169	9	1,449	4,814	1,160	3,757	289	1,057
South	235	20	906	3,268	662	3,053	244	215
West	114	8	599	4,969	452	4,812	147	157
Alabama	17	2	947	2,844	657	2,732	290	112
Alaska	1	—	1,500	—	600	—	900	—
Arizona	10	—	738	—	549	—	189	—
Arkansas	10	—	784	—	628	—	156	—
California	48	4	249	6,234	144	6,063	105	171
Colorado	7	—	991	—	870	—	121	—
Connecticut	2	1	540	8,080	465	7,903	75	177
Delaware	2	1	755	5,300	657	5,300	98	—
District of Columbia	1	—	806	—	551	—	255	—
Florida	23	—	1,250	—	921	—	329	—
Georgia	17	1	1,109	2,960	811	2,800	298	160
Hawaii	3	—	556	—	466	—	90	—
Idaho	4	1	995	1,420	838	1,310	157	110
Illinois	29	—	1,062	—	812	—	250	—
Indiana	13	2	2,105	6,380	1,705	3,471	400	2,909
Iowa	16	—	1,236	—	1,012	—	224	—
Kansas	16	—	1,525	—	1,137	—	388	—
Kentucky	13	3	807	3,707	633	3,503	174	204
Louisiana	6	—	1,304	—	797	—	507	—
Maine	2	1	1,577	2,480	1,326	1,913	251	567
Maryland	14	—	1,112	—	932	—	180	—
Massachusetts	14	4	1,097	4,525	849	4,221	248	304
Michigan	26	1	1,342	6,008	1,044	5,900	298	108
Minnesota	12	—	1,753	—	1,482	—	271	—
Mississippi	10	—	849	—	600	—	249	—
Missouri	15	2	1,006	3,412	835	3,363	171	49
Montana	—	—	—	—	—	—	—	—
Nebraska	1	1	1,497	5,687	1,182	4,993	315	694
Nevada	3	—	914	—	914	—	—	—
New Hampshire	5	1	1,621	5,040	1,462	5,040	159	—
New Jersey	14	—	1,292	—	964	—	328	—
New Mexico	8	2	808	3,826	711	3,648	97	178
New York	37	11	1,378	3,691	1,137	3,470	241	221
North Carolina	37	—	528	—	370	—	158	—
North Dakota	2	—	1,034	—	944	—	90	—
Ohio	23	2	2,053	3,742	1,677	2,574	376	1,168
Oklahoma	13	1	834	2,172	656	1,925	178	247
Oregon	10	—	1,002	—	748	—	254	—
Pennsylvania	17	3	1,762	4,546	1,528	4,406	234	140
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	11	—	1,319	—	900	—	419	—
South Dakota	2	1	3,673	4,560	3,550	4,100	123	460
Tennessee	11	3	1,613	2,448	1,355	2,234	258	214
Texas	30	3	489	3,072	220	2,737	269	335
Utah	1	—	2,148	—	1,022	—	1,126	—
Vermont	2	2	2,409	5,219	2,064	3,733	345	1,486
Virginia	11	1	782	5,100	110	355	892	5,455
Washington	14	1	683	5,750	625	5,640	58	110
West Virginia	8	3	969	4,720	678	4,482	291	238
Wisconsin	14	—	962	—	698	—	264	—
Wyoming	4	—	831	—	377	—	454	—
American Samoa	—	—	—	—	—	—	—	—
Guam	1	—	620	—	475	—	145	—
Puerto Rico	3	3	1,235	2,420	1,007	2,303	228	117
Virgin Islands	1	—	638	—	528	—	110	—

[1] The mean is the sum of the observations divided by the number of observations. These reported means of tuitions and fees may be slightly higher than the medians reported in past years.

[2] National and regional totals include American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[3] For publicly supported programs, data on tuition and fees exclude students who are non-residents of the state and/or county where the school is located.

Table 12

MEAN[1] ANNUAL TUITION AND FEES OF FULL-TIME STUDENTS IN PUBLIC OR PRIVATE DIPLOMA NURSING PROGRAMS, BY NLN REGION AND STATE: 1984-85[2]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING TUITION AND FEES		TOTAL ANNUAL TUITION AND FEES		ANNUAL TUITION		ANNUAL FEES	
	Public	Private	Public[3]	Private	Public[3]	Private	Public[3]	Private
United States	**36**	**207**	**$1,857**	**$2,328**	**$1,502**	**$2,051**	**$355**	**$277**
North Atlantic	17	82	2,312	2,346	1,810	2,079	502	267
Midwest	6	89	1,978	2,603	1,629	2,297	349	306
South	11	34	1,048	1,491	886	1,253	162	238
West	2	2	2,079	3,528	1,889	3,475	181	53
Alabama	1	2	1,297	1,362	1,167	1,103	130	259
Alaska	—	—	—	—	—	—	—	—
Arizona	—	—	—	—	—	—	—	—
Arkansas	—	2	—	1,003	—	862	—	141
California	1	1	1,056	3,736	864	3,700	192	36
Colorado	1	1	3,082	3,320	2,913	3,250	169	70
Connecticut	1	4	1,790	2,420	1,600	2,099	190	321
Delaware	1	—	983	—	833	—	150	—
District of Columbia	—	—	—	—	—	—	—	—
Florida	1	—	868	—	—	—	868	—
Georgia	—	2	—	1,876	—	1,758	—	118
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	1	18	2,385	2,835	2,250	2,551	135	284
Indiana	—	6	—	3,218	—	2,295	—	923
Iowa	—	9	—	2,626	—	2,459	—	167
Kansas	1	2	1,816	1,438	986	1,213	830	225
Kentucky	—	—	—	—	—	—	—	—
Louisiana	—	3	—	2,217	—	1,504	—	713
Maine	—	1	—	2,072	—	1,903	—	169
Maryland	—	4	—	1,350	—	1,159	—	191
Massachusetts	1	11	4,749	2,880	3,310	[illegible],590	1,439	290
Michigan	2	3	1,774	2,573	1,459	2,386	315	187
Minnesota	—	3	—	4,550	—	3,293	—	1,257
Mississippi	1	—	158	—	158	—	—	—
Missouri	—	10	—	2,168	—	2,068	—	100
Montana	—	—	—	—	—	—	—	—
Nebraska	—	5	—	2,586	—	2,445	—	141
Nevada	—	—	—	—	—	—	—	—
New Hampshire	—	2	—	2,960	—	1,718	—	1,242
New Jersey	3	12	967	1,453	692	1,243	275	210
New Mexico	—	—	—	—	—	—	—	—
New York	3	14	2,297	2,201	1,828	1,954	469	247
North Carolina	3	2	983	826	773	668	210	138
North Dakota	—	3	—	2,459	—	2,288	—	171
Ohio	1	24	2,670	2,387	2,300	2,093	370	294
Oklahoma	—	—	—	—	—	—	—	—
Oregon	—	—	—	—	—	—	—	—
Pennsylvania	8	36	2,748	2,460	2,183	2,225	565	235
Rhode Island	—	2	—	3,098	—	2,941	—	157
South Carolina	—	—	—	—	—	—	—	—
South Dakota	—	2	—	3,223	—	3,003	—	220
Tennessee	1	6	1,341	1,692	1,271	1,541	70	151
Texas	—	2	—	786	—	479	—	307
Utah	—	—	—	—	—	—	—	—
Vermont	—	—	—	—	—	—	—	—
Virginia	2	10	1,559	1,508	1,219	1,324	340	184
Washington	—	—	—	—	—	—	—	—
West Virginia	1	1	1,787	1,716	1,519	1,187	268	529
Wisconsin	1	4	1,451	1,927	1,323	1,787	128	140
Wyoming	—	—	—	—	—	—	—	—
American Samoa	—	—	—	—	—	—	—	—
Guam	—	—	—	—	—	—	—	—
Puerto Rico	—	—	—	—	—	—	—	—
Virgin Islands	—	—	—	—	—	—	—	—

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[1] The mean is the sum of the observations divided by the number of observations. These reported means of tuitions and fees may be slightly higher than the medians reported in past years.

[2] National and regional totals include American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[3] For publicly supported programs, data on tuition and fees exclude students who are non-residents of the state and/or county where the school is located.

ADMISSIONS

Fall Admissions, by Type of Financial Support (Table 13)

- Fall admissions—the number of first-time nursing students admitted between August and December 1984—plunged almost 4 percent over the previous year, back to 1981 levels.

- Diploma programs reported the largest decline in fall admissions—almost 11 percent. Associate degree programs lost 2 percent of their fall admissions, and baccalaureate programs lost 1 percent.

- Since fall admissions constitute approximately 70 percent of a program's admissions, the reported drop signals the probability of lower enrollments in the next year.

- An 8.5 percent drop in fall admissions was registered for private institutions, whereas public institutions reported only a 1.2 percent decline.

Table 13

FALL ADMISSIONS TO PUBLIC AND PRIVATE BASIC RN PROGRAMS, BY TYPE OF PROGRAM: 1975 TO 1984[1]

PUBLIC AND PRIVATE NURSING PROGRAMS	NUMBER OF FALL ADMISSIONS									
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
All Programs	**94,932**	**96,201**	**95,750**	**90,105**	**88,351**	**90,377**	**91,722**	**94,680**	**94,539**	**91,085**
Public	59,787	60,704	60,751	58,187	58,281	59,454	59,477	62,930	62,609	61,880
Private	35,145	35,497	34,999	31,918	30,070	30,923	32,245	31,750	31,930	29,205
Baccalaureate	29,556	31,544	32,054	29,890	29,994	29,916	28,094	28,982	29,256	28,973
Public	18,436	19,332	19,297	17,941	18,262	18,096	16,541	17,819	17,098	17,315
Private	11,120	12,212	12,757	11,949	11,732	11,820	11,553	11,163	12,158	11,658
Associate Degree	42,786	43,666	44,033	43,005	42,676	44,384	46,855	48,626	49,848	48,855
Public	38,328	38,874	39,206	38,289	38,308	39,704	41,258	43,183	43,533	42,754
Private	4,458	4,792	4,827	4,716	4,368	4,680	5,597	5,443	6,315	5,601
Diploma	22,590	20,991	19,663	17,210	15,681	16,077	16,773	17,072	15,435	13,757
Public	3,023	2,498	2,248	1,957	1,711	1,654	1,678	1,928	1,978	1,811
Private	19,567	18,943	17,415	15,253	13,970	14,423	15,095	15,144	13,457	11,946

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Annual Admissions to Basic RN Programs (Tables 14-20)

- Annual admissions—the number of first-time nursing students admitted from July 1983 to August 1984—reached 123,824, a 2.7 percent increase over the previous year (see Table 14).

- A look at the ten-year trend in baccalaureate education reveals that generic enrollment decreased almost 5 percent since 1975. In contrast, enrollment of RNs in generic programs grew 111 percent in the last decade, while enrollments in BRN programs almost quadrupled (+ 267%) during the same period (see Table 28).

- Baccalaureate programs registered the highest increase in annual admission—5.7 percent. Associate degree programs reported a 4 percent increase, while annual admissions to diploma programs declined 7.8 percent (see Table 14).

- A regional breakdown indicates that the South had 32 percent of the total admissions in 1983-84. The Midwest reported nearly 29 percent of the total; the North Atlantic, 26 percent; and the West, 13 percent (see Table 16).

- The West reported an increase of more than 9 percent in total annual admissions in 1983-84 compared with the 1982-83 figures. The other regions reported smaller increases of 2 percent or less (see Table 16).

- Annual admissions to baccalaureate programs registered at 39,400 in 1983-84. The West reported a jump of over 16 percent, and the South reported a 10 percent increase in annual admissions. The Midwest and North Atlantic reported smaller gains of 1 percent and 0.7 percent, respectively (see Table 17).

- All regions but the South reported increases in annual admissions to associate degree programs. Annual admissions in the South remained almost equal to the previous year's figure (see Table 18).

- All regions reported significant drops in admissions to diploma programs (see Table 19).

- After a brief increase in admissions to diploma programs, 1983-84 signaled a return to the downward trend recorded until 1979-80 (see Table 19).

- The increases in annual admissions in diploma programs between 1980-1983 explain the increase in graduations reported in Tables 31 and 36.

- Of the 123,824 total annual admissions to all basic RN programs, 80 percent (98,992) were in programs accredited by NLN. A breakdown by program type reveals that 94 percent of the baccalaureate annual admissions and 98 percent of the annual admissions to diploma programs were in NLN-accredited programs. However, only 68 percent of associate degree admissions came from accredited programs (see Table 20).

Table 14

ANNUAL ADMISSIONS TO BASIC RN PROGRAMS AND PERCENTAGE OF CHANGE FROM PREVIOUS YEAR, BY TYPE OF PROGRAM: 1964-65 TO 1983-84[1]

ACADEMIC YEAR	ALL BASIC RN PROGRAMS		BACCALAUREATE PROGRAMS		ASSOCIATE DEGREE PROGRAMS		DIPLOMA PROGRAMS	
	Number of Admissions	Percent Change	Number of Admissions	Percent Change	Number of Admissions	Percent Change	Number of Admissions	Percent Change
1964-65	57,180	+9.4	11,800	+15.2	6,144	+37.7	39,236	+4.4
1965-66	60,191	+5.3	13,103	+11.0	8,544	+39.1	38,544	−1.8
1966-67	58,021	−3.6	14,012	+6.9	11,137	+30.3	32,872	−14.7
1967-68	60,673	+4.6	14,813	+5.7	14,577	+30.9	31,283	−4.8
1968-69	63,408	+4.5	15,901	+7.3	18,536	+27.2	28,971	−7.4
1969-70	74,598	+17.6	18,942	+19.1	25,142	+35.6	30,514	+5.3
1970-71	78,524	+5.3	20,299	+7.2	29,433	+17.1	28,792	−5.6
1971-72	93,344	+18.9	27,228	+34.1	36,454	+23.8	29,662	+3.0
1972-73	103,789	+11.2	30,348	+11.5	43,733	+20.0	29,708	+0.1
1973-74	107,344	+3.4	32,461	+7.0	47,940	+9.6	26,943	−9.3
1974-75	109,020	+1.6	34,956	+7.7	49,368	+3.0	24,696	−8.3
1975-76	112,174	+2.9	36,320	+3.9	52,232	+5.8	23,622	−4.3
1976-77	112,523	+0.3	36,670	+1.0	53,610	+2.6	22,243	−5.8
1977-78	110,950	−1.4	37,348	+1.8	52,991	−1.1	20,611	−7.3
1978-79	107,476	−3.2	35,611	−4.7	53,366	+0.7	18,499	−10.2
1979-80	105,952	−1.4	35,414	−0.5	53,633	+0.5	16,905	−8.6
1980-81	110,201	+4.0	35,808	+1.1	56,899	+6.1	17,494	+3.5
1981-82	115,279	+4.6	35,928	+0.3	60,423	+6.1	18,928	+8.1
1982-83	120,579	+4.6	37,264	+3.7	63,947	+5.8	19,368	+2.3
1983-84	123,824	+2.7	39,400	+5.7	66,576	+4.1	17,848	−7.8

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands

Table 15

ANNUAL ADMISSIONS TO PUBLIC AND PRIVATE BASIC RN PROGRAMS, BY TYPE OF PROGRAM: 1974-75 TO 1983-84[1]

PUBLIC AND PRIVATE NURSING PROGRAMS	NUMBER OF ANNUAL ADMISSIONS									
	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84
All Programs	**109,020**	**112,174**	**112,523**	**110,950**	**107,476**	**105,952**	**110,201**	**115,279**	**120,579**	**123,824**
Public	71,052	73,862	74,048	73,101	72,447	71,196	74,238	78,305	81,518	85,474
Private	37,968	38,312	38,475	37,849	35,029	34,756	35,923	36,974	39,061	38,350
Baccalaureate	34,956	36,320	36,670	37,348	35,611	35,414	35,808	35,928	37,264	39,400
Public	22,205	23,002	22,905	22,893	21,948	21,454	21,963	22,502	23,226	23,803
Private	12,751	13,318	13,765	14,455	13,663	13,960	13,845	13,426	14,038	15,597
Associate Degree	49,368	52,232	53,610	52,991	53,366	53,633	56,899	60,423	63,947	66,576
Public	44,987	47,492	48,311	47,644	48,178	47,593	50,260	53,280	55,473	59,209
Private	4,381	4,740	5,299	5,347	5,188	6,040	6,639	7,143	8,474	7,367
Diploma	24,696	23,622	22,243	20,611	18,499	16,905	17,494	18,928	19,368	17,848
Public	3,860	3,368	2,832	2,564	2,321	2,149	2,015	2,523	2,819	2,462
Private	20,836	20,254	19,411	18,047	16,178	14,756	15,479	16,405	16,549	15,386

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands

Table 16

ANNUAL ADMISSIONS TO ALL BASIC RN PROGRAMS, BY NLN REGION AND STATE: 1974-75 TO 1983-84[1]

NLN REGION AND STATE	NUMBER OF ADMISSIONS									
	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84
United States	**109,020**	**112,174**	**112,523**	**110,950**	**107,476**	**105,941**	**110,201**	**115,279**	**120,579**	**123,824**
North Atlantic	32,059	31,589	31,173	31,263	30,004	29,149	29,185	29,530	31,537	31,964
Midwest	30,641	31,421	32,452	31,117	30,351	30,428	32,133	35,083	35,083	35,630
South	32,879	35,330	34,704	34,855	33,450	32,722	33,866	35,463	38,760	39,576
West	13,441	13,834	14,194	13,715	13,671	13,653	15,017	15,203	15,199	16,654
Alabama	2,336	2,131	2,244	2,690	2,737	2,393	2,744	2,754	3,297	3,139
Alaska	89	61	66	77	141	178	152	152	169	135
Arizona	1,573	1,462	1,213	1,059	1,093	1,185	1,266	1,159	1,401	1,518
Arkansas	902	1,088	1,091	1,282	1,006	1,143	1,291	1,425	1,375	1,312
California	5,977	6,259	6,543	6,508	6,471	6,626	7,596	7,363	7,263	7,921
Colorado	780	847	982	883	968	775	929	864	1,208	996
Connecticut	1,261	1,348	1,430	1,565	1,412	1,361	1,372	1,336	1,359	1,462
Delaware	451	515	504	533	493	479	508	523	597	541
District of Columbia	612	653	885	729	680	700	727	840	563	519
Florida	3,264	3,231	3,328	3,538	3,425	3,422	3,818	4,178	4,269	4,232
Georgia	2,602	2,628	2,342	2,285	2,359	1,935	1,991	2,206	2,358	2,448
Hawaii	209	189	220	210	219	243	244	219	288	240
Idaho	357	347	353	387	383	335	347	432	368	342
Illinois	5,917	5,846	6,321	5,840	5,838	5,705	5,882	6,355	6,393	6,710
Indiana	3,028	3,128	2,940	2,813	2,590	2,596	2,872	2,643	3,180	3,312
Iowa	1,720	1,845	1,970	2,099	1,994	2,087	2,054	2,290	2,454	2,281
Kansas	1,128	1,182	1,229	1,239	1,277	1,263	1,295	1,383	1,434	1,716
Kentucky	2,014	2,254	2,023	1,978	1,823	1,856	1,820	1,854	1,970	2,195
Louisiana	2,033	1,953	1,860	2,002	1,744	1,732	1,573	1,838	1,929	2,096
Maine	569	520	610	609	546	578	607	555	625	663
Maryland	1,949	2,077	2,159	1,990	1,849	1,781	1,960	2,022	2,266	2,243
Massachusetts	4,345	3,924	3,750	3,607	3,577	3,429	3,527	3,690	4,057	3,627
Michigan	4,150	4,364	4,611	4,336	3,980	3,959	4,137	4,255	4,214	4,525
Minnesota	2,281	2,203	2,229	2,234	2,196	2,205	2,326	2,343	2,340	2,222
Mississippi	1,283	1,523	1,583	1,448	1,398	1,453	1,518	1,610	1,794	1,905
Missouri	2,476	2,561	2,619	2,515	2,434	2,460	2,499	2,711	2,668	2,797
Montana	404	453	386	399	306	337	366	420	459	426
Nebraska	853	992	1,016	960	843	923	1,050	1,114	1,029	870
Nevada	97	174	178	193	205	211	242	263	249	281
New Hampshire	519	485	467	457	346	436	440	441	506	586
New Jersey	3,393	3,355	3,434	3,441	3,271	3,317	3,192	3,266	3,653	3,536
New Mexico	457	505	557	464	457	468	533	669	601	614
New York	13,710	12,695	12,432	12,512	12,247	11,674	11,251	11,044	11,899	12,438
North Carolina	2,859	2,925	2,807	2,660	2,762	3,004	2,965	2,962	3,179	3,471
North Dakota	518	538	567	433	625	519	650	678	603	548
Ohio	5,510	5,727	5,882	5,530	5,483	5,476	5,883	6,763	6,630	7,047
Oklahoma	1,290	1,129	1,226	1,253	1,116	1,237	1,337	1,317	1,390	1,385
Oregon	926	931	1,069	967	979	1,003	1,047	953	981	1,191
Pennsylvania	6,101	7,096	6,524	6,640	6,324	6,171	6,570	6,731	7,156	7,224
Rhode Island	808	710	832	861	823	739	726	831	822	1,063
South Carolina	1,136	1,182	1,140	1,140	1,184	1,013	1,006	1,356	1,391	1,472
South Dakota	619	670	611	646	665	573	636	716	720	718
Tennessee	2,826	2,743	2,585	2,623	2,512	2,557	2,984	3,220	3,069	2,974
Texas	4,909	6,541	6,399	5,977	5,784	5,631	5,121	4,998	5,977	6,192
Utah	437	465	467	518	507	454	435	698	439	652
Vermont	290	288	305	309	285	265	265	273	336	305
Virginia	2,356	2,723	2,701	2,683	2,541	2,481	2,546	2,515	2,901	2,878
Washington	2,035	2,038	2,023	1,914	1,806	1,701	1,734	1,886	1,587	2,158
West Virginia	1,120	1,042	1,109	1,169	1,080	1,084	1,192	1,208	1,559	1,634
Wisconsin	2,441	2,525	2,564	2,609	2,556	2,662	2,849	3,832	3,399	2,884
Wyoming	100	103	137	136	136	137	126	125	205	180
American Samoa	0	0	0	0	0	0	0	18	18	0
Guam	52	53	58	51	35	11	20	28	41	39
Puerto Rico	966	1,052	868	890	1,186	1,387	1,809	1,553	1,880	1,748
Virgin Islands	30	32	30	37	20	18	27	18	15	31

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands

Table 17

ANNUAL ADMISSIONS TO BACCALAUREATE NURSING PROGRAMS, BY NLN REGION AND STATE: 1974-75 TO 1983-84[1]

REGION AND STATE	NUMBER OF ADMISSIONS									
	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84
United States	**34,956**	**36,320**	**36,670**	**37,348**	**35,611**	**35,414**	**35,808**	**35,928**	**37,264**	**39,400**
North Atlantic	9,665	9,718	10,484	11,269	10,767	10,670	10,244	10,050	10,273	10,347
Midwest	9,149	9,363	9,614	9,345	9,030	9,355	9,817	10,614	10,715	10,822
South	11,455	12,380	11,893	12,149	11,524	11,125	11,372	11,040	11,679	12,877
West	4,687	4,859	4,679	4,585	4,290	4,264	4,375	4,224	4,597	5,354
Alabama	1,134	984	1,100	1,429	1,390	1,140	1,356	1,348	1,318	1,437
Alaska	52	27	29	39	99	138	112	112	104	95
Arizona	752	716	493	437	450	506	504	423	695	719
Arkansas	199	322	293	356	307	396	458	451	430	292
California	1,534	1,648	1,735	1,864	1,675	1,665	1,754	1,621	1,756	2,111
Colorado	219	362	492	441	400	355	385	397	546	382
Connecticut	510	526	571	610	533	492	484	521	474	527
Delaware	255	256	247	246	231	223	250	268	295	262
District of Columbia	387	426	677	610	521	532	567	491	443	397
Florida	649	585	562	723	677	661	748	711	812	867
Georgia	867	483	419	358	664	382	466	624	589	753
Hawaii	65	65	65	64	84	90	78	65	144	73
Idaho	69	78	67	98	112	55	58	48	43	52
Illinois	1,367	1,307	1,461	1,293	1,342	1,419	1,470	1,732	1,703	1,775
Indiana	1,096	1,148	1,041	1,004	934	900	996	698	1,291	1,490
Iowa	462	494	604	633	537	558	528	635	579	569
Kansas	408	393	415	446	507	523	572	544	530	596
Kentucky	602	790	481	473	325	292	286	322	385	543
Louisiana	1,065	929	894	1,038	859	805	724	843	738	1,017
Maine	137	175	213	216	187	208	220	167	183	275
Maryland	630	719	662	569	554	503	537	500	627	640
Massachusetts	1,478	1,100	1,068	1,160	1,258	1,308	1,381	1,315	1,657	1,345
Michigan	1,191	1,321	1,285	1,348	1,256	1,236	1,309	1,176	1,161	1,287
Minnesota	713	716	783	763	720	754	685	624	677	639
Mississippi	484	522	598	504	411	476	469	520	562	631
Missouri	648	584	637	558	576	624	705	655	584	669
Montana	235	269	240	294	221	253	264	244	307	280
Nebraska	144	230	209	243	123	229	247	254	299	202
Nevada	75	66	60	62	58	50	48	61	58	67
New Hampshire	175	154	146	164	161	182	199	218	209	165
New Jersey	812	742	805	864	858	945	708	756	838	702
New Mexico	157	147	209	128	79	89	102	204	153	134
New York	3,738	3,995	4,314	4,525	4,340	4,090	3,586	3,441	3,392	3,434
North Carolina	1,094	1,184	1,086	893	885	1,090	1,028	814	788	968
North Dakota	205	233	275	154	274	213	340	327	328	227
Ohio	1,202	1,409	1,411	1,412	1,308	1,347	1,319	1,367	1,598	1,747
Oklahoma	435	420	454	491	346	487	555	462	521	560
Oregon	316	312	309	244	194	223	236	119	118	413
Pennsylvania	1,629	1,910	1,860	2,237	2,088	2,139	2,318	2,282	2,271	2,420
Rhode Island	434	347	482	537	487	456	430	492	405	719
South Carolina	411	362	364	401	450	352	354	448	338	592
South Dakota	264	285	257	266	310	274	276	299	280	329
Tennessee	1,062	1,040	636	734	761	787	1,064	1,112	881	801
Texas	1,762	2,596	2,958	2,720	2,565	2,554	2,253	1,891	2,310	2,261
Utah	364	324	131	145	139	104	99	203	68	254
Vermont	110	87	101	100	103	95	101	99	106	101
Virginia	832	1,079	1,026	1,063	951	957	836	766	1,029	985
Washington	800	785	774	705	713	668	689	684	534	729
West Virginia	229	205	253	260	249	243	238	228	351	530
Wisconsin	1,449	1,403	1,343	1,362	1,273	1,278	1,370	2,303	1,685	1,292
Wyoming	49	60	75	64	66	68	46	43	71	45
American Samoa	0	0	0	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0	0	0	0
Puerto Rico	236	336	277	316	476	621	967	825	1,069	1,067
Virgin Islands	0	0	0	0	0	0	0	0	1	6

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 18
ANNUAL ADMISSIONS TO ASSOCIATE DEGREE NURSING PROGRAMS, BY NLN REGION AND STATE: 1974-75 TO 1983-84[1]

NLN REGION AND STATE	NUMBER OF ANNUAL ADMISSIONS									
	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84
United States	**49,368**	**52,232**	**53,610**	**52,991**	**53,366**	**53,633**	**56,899**	**60,423**	**63,947**	**66,576**
North Atlantic	12,370	12,728	12,598	12,635	12,728	12,559	12,736	12,965	14,128	14,875
Midwest	12,033	12,483	13,592	13,091	13,376	13,913	14,904	16,276	16,397	17,455
South	17,036	18,800	18,623	18,806	18,489	18,374	19,240	20,816	23,321	23,330
West	7,929	8,221	8,797	8,459	8,773	8,787	10,019	10,366	10,101	10,916
Alabama	968	892	970	1,089	1,192	1,085	1,227	1,230	1,793	1,535
Alaska	37	34	37	38	42	40	40	40	65	40
Arizona	821	746	720	622	643	679	762	736	706	799
Arkansas	703	766	700	819	601	644	677	792	759	811
California	4,113	4,286	4,429	4,266	4,395	4,552	5,411	5,313	5,229	5,535
Colorado	369	362	376	360	485	347	464	407	581	505
Connecticut	343	463	499	598	517	532	534	503	550	588
Delaware	100	160	162	171	184	173	174	175	203	216
District of Columbia	137	140	151	63	100	125	160	349	120	122
Florida	2,432	2,454	2,558	2,603	2,570	2,594	3,000	3,335	3,276	3,205
Georgia	1,238	1,621	1,444	1,474	1,396	1,301	1,359	1,384	1,568	1,493
Hawaii	144	124	155	146	135	153	166	154	144	167
Idaho	288	269	286	289	271	280	289	384	325	290
Illinois	2,610	2,606	2,950	2,779	2,875	2,927	3,085	3,149	3,285	3,586
Indiana	1,444	1,469	1,379	1,364	1,279	1,321	1,444	1,519	1,456	1,370
Iowa	373	728	791	848	890	1,032	1,025	1,053	1,248	1,125
Kansas	320	364	472	467	516	551	605	706	709	909
Kentucky	1,193	1,321	1,437	1,385	1,370	1,446	1,426	1,472	1,585	1,652
Louisiana	601	664	634	643	577	635	528	665	795	742
Maine	121	117	222	222	227	218	231	273	286	290
Maryland	1,063	1,098	1,241	1,206	1,084	1,091	1,183	1,244	1,346	1,306
Massachusetts	1,308	1,344	1,327	1,322	1,306	1,246	1,267	1,406	1,474	1,472
Michigan	2,035	2,074	2,427	2,164	2,166	2,195	2,253	2,541	2,537	2,919
Minnesota	1,120	1,147	1,158	1,183	1,210	1,188	1,339	1,455	1,412	1,364
Mississippi	713	898	873	868	965	918	989	1,054	1,202	1,235
Missouri	760	800	844	896	881	901	887	1,040	1,037	1,123
Montana	110	125	146	105	85	84	102	176	152	146
Nebraska	244	299	330	280	282	297	310	324	304	237
Nevada	22	108	118	131	147	161	194	202	191	214
New Hampshire	95	108	103	93	70	109	108	159	218	343
New Jersey	1,445	1,478	1,514	1,540	1,483	1,527	1,572	1,498	1,656	1,534
New Mexico	300	358	348	336	378	379	431	465	448	480
New York	6,940	6,556	6,398	6,441	6,740	6,490	6,506	6,365	7,242	7,395
North Carolina	1,420	1,396	1,396	1,451	1,561	1,629	1,676	1,826	2,082	2,171
North Dakota	150	122	124	128	125	137	144	134	133	155
Ohio	2,042	2,087	2,272	2,088	2,185	2,279	2,589	2,961	2,704	3,165
Oklahoma	599	648	691	655	707	727	751	824	869	825
Oregon	488	491	627	599	661	660	699	710	721	778
Pennsylvania	1,415	1,795	1,757	1,732	1,674	1,755	1,799	1,811	1,935	1,974
Rhode Island	286	266	261	244	245	214	221	252	250	237
South Carolina	690	788	744	705	700	641	624	865	1,021	844
South Dakota	228	258	226	248	233	194	226	271	296	277
Tennessee	1,204	1,152	1,352	1,330	1,270	1,246	1,304	1,422	1,336	1,451
Texas	2,631	3,417	2,848	2,774	2,773	2,709	2,508	2,690	3,363	3,777
Utah	73	141	336	373	368	350	336	495	371	398
Vermont	180	201	204	209	182	170	164	174	230	204
Virginia	858	971	1,006	1,030	1,018	1,007	1,177	1,194	1,237	1,316
Washington	1,113	1,134	1,157	1,122	1,093	1,033	1,045	1,202	1,053	1,429
West Virginia	723	714	729	774	705	701	811	819	1,053	967
Wisconsin	407	529	619	646	734	891	997	1,123	1,257	1,225
Wyoming	51	43	62	72	70	69	80	82	134	135
American Samoa	0	0	0	0	0	0	0	18	18	0
Guam	52	53	58	51	35	11	20	28	41	39
Puerto Rico	730	716	591	574	710	766	842	728	811	681
Virgin Islands	30	32	30	37	20	18	27	18	14	25

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 19

ANNUAL ADMISSIONS TO DIPLOMA NURSING PROGRAMS, BY NLN REGION AND STATE: 1974-75 TO 1983-84[1]

REGION AND STATE	NUMBER OF ANNUAL ADMISSIONS									
	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84
United States	**24,696**	**23,622**	**22,243**	**20,611**	**18,499**	**16,905**	**17,494**	**18,928**	**19,368**	**17,848**
North Atlantic	10,024	9,143	8,091	7,359	6,509	5,920	6,205	6,515	7,136	6,742
Midwest	9,459	9,575	9,246	8,681	7,945	7,160	7,412	8,193	7,971	7,353
South	4,388	4,150	4,188	3,900	3,437	3,223	3,254	3,607	3,760	3,369
West	825	754	718	671	608	602	623	613	501	384
Alabama	234	255	174	172	155	168	161	176	186	167
Alaska	0	0	0	0	0	0	0	0	0	0
Arizona	0	0	0	0	0	0	0	0	0	0
Arkansas	0	0	98	107	98	103	156	182	186	209
California	330	325	379	378	401	409	431	429	278	275
Colorado	192	123	114	82	83	73	80	60	81	109
Connecticut	406	359	360	357	362	337	354	312	335	347
Delaware	96	99	95	116	78	83	84	80	99	63
District of Columbia	88	87	57	56	59	43	0	0	0	0
Florida	183	192	208	212	178	167	70	132	181	160
Georgia	497	524	479	453	299	252	166	198	201	202
Hawaii	0	0	0	0	0	0	0	0	0	0
Idaho	0	0	0	0	0	0	0	0	0	0
Illinois	1,940	1,933	1,910	1,768	1,621	1,359	1,327	1,474	1,405	1,349
Indiana	488	511	520	445	377	375	432	426	433	452
Iowa	585	623	575	618	567	497	501	602	627	587
Kansas	400	425	342	326	254	189	118	133	195	211
Kentucky	219	143	105	120	128	118	108	60	0	0
Louisiana	367	360	332	321	308	292	321	330	396	337
Maine	311	228	175	171	132	152	156	115	156	98
Maryland	256	260	256	215	211	187	240	278	293	297
Massachusetts	1,559	1,480	1,355	1,125	1,013	875	879	969	926	810
Michigan	924	969	899	824	558	528	575	538	516	319
Minnesota	448	340	288	288	266	263	302	264	251	219
Mississippi	86	103	112	76	22	59	60	36	30	39
Missouri	1,068	1,177	1,138	1,061	977	935	907	1,016	1,047	1,005
Montana	59	59	0	0	0	0	0	0	0	0
Nebraska	465	463	477	437	438	397	493	536	426	431
Nevada	0	0	0	0	0	0	0	0	0	0
New Hampshire	249	223	218	200	115	145	133	64	79	78
New Jersey	1,136	1,135	1,115	1,037	930	845	912	1,012	1,159	1,300
New Mexico	0	0	0	0	0	0	0	0	0	0
New York	3,032	2,044	1,720	1,546	1,167	1,094	1,159	1,238	1,265	1,109
North Carolina	345	345	325	316	316	285	261	322	309	332
North Dakota	163	183	168	151	226	169	166	217	142	166
Ohio	2,266	2,231	2,199	2,030	1,990	1,850	1,975	2,435	2,328	2,135
Oklahoma	256	61	81	107	63	23	31	31	0	0
Oregon	122	128	133	124	124	120	112	124	142	0
Pennsylvania	3,057	3,391	2,907	2,671	2,562	2,277	2,453	2,638	2,950	2,830
Rhode Island	88	97	89	80	91	69	75	87	167	107
South Carolina	35	32	32	34	34	20	28	43	32	36
South Dakota	127	127	128	132	122	105	134	146	144	112
Tennessee	560	551	597	559	481	524	616	686	852	722
Texas	516	528	593	483	446	368	360	417	304	154
Utah	0	0	0	0	0	0	0	0	0	0
Vermont	0	0	0	0	0	0	0	0	0	0
Virginia	666	673	669	590	572	517	533	555	635	577
Washington	122	119	92	87	0	0	0	0	0	0
West Virginia	168	123	127	135	126	140	143	161	155	137
Wisconsin	585	593	602	601	549	493	482	406	457	367
Wyoming	0	0	0	0	0	0	0	0	0	0
American Samoa	0	0	0	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0	0	0	0
Puerto Rico	0	0	0	0	0	0	0	0	0	0
Virgin Islands	0	0	0	0	0	0	0	0	0	0

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 20

ANNUAL ADMISSIONS IN BASIC RN PROGRAMS, BY TYPE OF PROGRAM AND NLN ACCREDITATION STATUS: AUGUST 1, 1983 TO JULY 31, 1984[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS	NUMBER OF ANNUAL ADMISSIONS											
		ALL BASIC RN PROGRAMS			BACCALAUREATE PROGRAMS			ASSOCIATE DEGREE PROGRAMS			DIPLOMA PROGRAMS		
		Total	Accredited	Not Accredited	Total	Accredited	Not Accredited	Total	Accredited	Not Accredited	Total	Accredited	Not Accredited
United States	**1,477**	**123,824**	**98,992**	**23,832**	**39,400**	**37,191**	**2,209**	**66,576**	**45,323**	**21,253**	**17,848**	**17,478**	**370**
North Atlantic	357	31,964	27,463	3,501	10,347	9,845	502	14,875	12,029	2,846	6,742	6,589	153
Midwest	431	35,630	28,892	6,738	10,822	10,086	736	17,455	11,453	6,002	7,353	7,353	0
South	484	39,576	31,725	7,851	12,877	12,277	600	23,330	16,296	7,034	3,369	3,152	217
West	205	16,654	10,912	5,742	5,354	4,983	371	10,916	5,545	5,371	384	384	0
Alabama	37	3,139	2,958	181	1,437	1,411	26	1,535	1,380	155	167	167	0
Alaska	2	135	135	0	95	95	0	40	40	0	0	0	0
Arizona	16	1,518	1,468	50	719	719	0	799	749	50	0	0	0
Arkansas	20	1,312	1,088	224	292	292	0	811	629	182	209	167	42
California	93	7,921	4,257	3,664	2,111	1,955	156	5,535	2,027	3,508	275	275	0
Colorado	12	996	685	311	382	382	0	505	194	311	109	109	0
Connecticut	18	1,462	1,462	0	527	527	0	588	588	0	347	347	0
Delaware	7	541	400	141	262	210	52	216	167	49	63	23	40
District of Columbia	6	519	519	0	397	397	0	122	122	0	0	0	0
Florida	40	4,232	2,630	1,602	867	724	143	3,205	1,746	1,459	160	160	0
Georgia	34	2,448	2,428	20	753	733	20	1,493	1,493	0	202	202	0
Hawaii	6	240	146	94	73	73	0	167	73	94	0	0	0
Idaho	6	342	342	0	52	52	0	290	290	0	0	0	0
Illinois	78	6,710	5,277	1,433	1,775	1,617	158	3,586	2,311	1,275	1,349	1,349	0
Indiana	37	3,312	3,020	292	1,490	1,405	85	1,370	1,163	207	452	452	0
Iowa	39	2,281	1,087	1,194	569	500	69	1,125	0	1,125	587	587	0
Kansas	30	1,716	1,519	197	596	596	0	909	712	197	211	211	0
Kentucky	28	2,195	1,526	669	543	433	110	1,652	1,093	559	0	0	0
Louisiana	22	2,096	1,957	139	1,017	957	60	742	692	50	337	308	29
Maine	12	663	548	115	275	237	38	290	213	77	98	98	0
Maryland	25	2,243	1,810	433	640	640	0	1,326	905	401	297	265	32
Massachusetts	48	3,627	3,424	203	1,345	1,320	25	1,472	1,294	178	810	810	0
Michigan	51	4,525	2,642	1,883	1,287	1,231	56	2,919	1,092	1,827	319	319	0
Minnesota	[illegible]	2,222	2,073	149	639	639	0	1,364	1,215	149	219	219	0
Mississippi	22	1,905	1,569	336	631	631	0	1,235	938	297	39	0	39
Missouri	39	2,797	2,193	604	669	491	178	1,123	697	426	1,005	1,005	0
Montana	4	426	280	146	280	280	0	146	0	146	0	0	0
Nebraska	11	870	870	0	202	202	0	237	237	0	431	431	0
Nevada	5	281	227	54	67	67	0	214	160	54	0	0	0
New Hampshire	11	586	334	252	165	143	22	343	113	230	78	78	0
New Jersey	39	3,536	3,411	125	702	702	0	1,534	1,409	125	1,300	1,300	0
New Mexico	11	614	383	231	134	134	0	480	249	231	0	0	0
New York	106	12,438	9,941	1,497	3,434	3,422	12	7,895	6,495	1,400	1,109	1,024	85
North Carolina	57	3,471	1,511	1,960	968	968	0	2,171	250	1,921	332	293	39
North Dakota	9	548	548	0	227	227	0	155	155	0	166	166	0
Ohio	71	7,047	6,455	592	1,747	1,687	60	3,165	2,633	532	2,135	2,135	0
Oklahoma	27	1,385	1,127	258	560	464	96	825	663	162	0	0	0
Oregon	18	1,191	695	496	413	198	215	778	497	281	0	0	0
Pennsylvania	98	7,224	6,074	1,150	2,420	2,067	353	1,974	1,205	769	2,830	2,802	28
Rhode Island	7	1,063	1,063	0	719	719	0	237	237	0	107	107	0
South Carolina	19	1,472	1,084	388	592	538	54	844	546	298	36	0	36
South Dakota	9	718	683	35	329	329	0	277	242	35	112	112	0
Tennessee	33	2,974	2,502	472	801	775	26	1,451	1,005	446	722	722	0
Texas	64	6,192	5,507	685	2,261	2,261	0	3,777	3,092	685	154	154	0
Utah	4	652	652	0	254	254	0	398	398	0	0	0	0
Vermont	5	305	287	18	101	101	0	204	186	18	0	0	0
Virginia	37	2,878	2,712	166	985	951	34	1,316	1,184	132	577	577	0
Washington	23	2,158	1,549	609	729	729	0	1,429	820	609	0	0	0
West Virginia	18	1,634	1,316	318	530	499	31	967	680	287	137	137	0
Wisconsin	33	2,884	2,525	359	1,292	1,162	130	1,225	996	229	367	367	0
Wyoming	5	180	93	87	45	45	0	135	48	87	0	0	0
American Samoa	1	0	0	0	0	0	0	0	0	0	0	0	0
Guam	1	39	0	39	0	0	0	39	0	39	0	0	0
Puerto Rico	19	1,748	298	1,450	1,067	0	1,067	681	298	383	0	0	0
Virgin Islands	2	31	25	6	6	0	6	25	25	0	0	0	0

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands

ENROLLMENTS

Enrollments in Basic RN Programs (Tables 21-27)

- Enrollment figures, as of October 15, 1984, reveal decreases in all types of programs. Diploma programs reported a drop of 11.3 percent in enrollments, while baccalaureate and associate degree programs reported smaller decreases of about 4 percent each (see Table 21).

- A 9 percent decline in enrollments was reported at private institutions, and a 3 percent decline was registered at public institutions (see Table 22).

- Total enrollments registered at 237,232, a 5.3 percent decrease over 1983. All regions experienced a decline in enrollments. Both the South and Midwest registered decreases of 6.5 percent, the North Atlantic reported a 4.8 percent loss, and the West only 0.7 percent (see Table 23).

- In baccalaureate programs, only the West reported a slight increase in total enrollments, of 0.7 percent. The other regions registered losses ranging from 6.0 percent in the South to 2 percent in the Midwest (see Table 24).

- Enrollments declined in associate degree programs across all regions. The Midwest reported a decrease of 6.1 percent; the South, 5.8 percent; and the North Atlantic, 2.5 percent. The decline in enrollment in the West was less than 1 percent (see Table 25).

- After two years of small increases, enrollments in diploma programs returned to its declining trend. All regions reported significant decreases in diploma program enrollments, from 26 percent in the West to 7 percent in the North Atlantic (see Table 26).

- Of the 237,232 total enrollments in all basic RN programs, 84 percent (199,667) were in programs accredited by NLN. Diploma programs reported that 98 percent of their enrollments were in accredited programs, and 95 percent of the baccalaureate enrollments were in accredited programs. Only 70 percent of associate degree enrollments were from NLN-accredited programs (see Table 27).

Table 21
ENROLLMENTS IN BASIC RN PROGRAMS AND PERCENTAGE CHANGE FROM PREVIOUS YEAR, BY TYPE OF PROGRAM: 1965 TO 1984[1]

YEAR	ALL BASIC RN PROGRAMS		BACCALAUREATE PROGRAMS		ASSOCIATE DEGREE PROGRAMS		DIPLOMA PROGRAMS	
	Number of Enrollments	Percent Change	Number of Enrollments	Percent Change	Number of Enrollments	Percent Change	Number of Enrollments	Percent Change
1965	134,733	+4.9	30,309	+9.8	11,513	+35.2	92,911	+0.6
1966	137,972	+2.4	32,966	+8.8	15,206	+32.1	89,800	−3.3
1967	140,631	+1.9	36,456	+10.6	20,660	+17.9	83,515	−7.0
1968	144,024	+2.4	40,157	+10.1	27,009	+30.7	76,858	−8.0
1969	149,124	+3.5	43,286	+7.8	33,917	+25.6	71,921	−6.4
1970	162,924	+9.2	48,657	+12.4	43,855	+29.3	70,412	−2.1
1971	185,869	+14.1	59,454	+22.2	55,425	+26.4	70,990	+0.8
1972	211,239	+13.6	73,499	+23.6	66,402	+19.8	71,338	+0.5
1973	230,803	+9.3	84,738	+15.3	77,508	+16.7	68,557	−3.9
1974	242,551	+5.1	94,413	+11.4	84,166	+8.6	63,972	−6.7
1975	248,171	+2.3	99,837	+5.7	88,121	+4.7	60,213	−5.9
1976	247,044	−0.4	99,949	+0.1	91,004	+3.3	56,091	−6.8
1977	245,390	−0.7	101,430	+1.5	91,102	+0.1	52,858	−5.8
1978	239,486	−2.4	99,900	−1.5	91,527	+0.5	48,059	−9.1
1979	234,659	−2.0	98,939	−1.0	92,069	+0.6	43,651	−9.2
1980	230,966	−1.6	95,858	−3.1	94,060	+2.2	41,048	−6.0
1981	234,995	+1.7	93,967	−2.0	100,019	+6.3	41,009	−0.1
1982	242,035	+3.0	94,363	+0.4	105,324	+5.3	42,348	+3.3
1983	250,553	+3.5	98,941	+4.9	109,605	+4.1	42,007	−0.8
1984	237,232	−5.3	95,008	−4.0	104,968	−4.2	37,256	−11.3

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 22
ENROLLMENTS IN PUBLIC AND PRIVATE BASIC RN PROGRAMS, BY TYPE OF PROGRAM: 1975 TO 1984[1]

PUBLIC AND PRIVATE NURSING PROGRAMS	TOTAL ENROLLMENTS									
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
All Programs	**248,171**	**247,044**	**245,390**	**239,486**	**234,659**	**230,966**	**234,995**	**242,035**	**250,553**	**237,232**
Public	150,912	150,265	149,444	147,530	147,678	142,857	146,260	153,095	158,005	153,057
Private	97,259	96,779	95,946	91,956	86,981	88,109	88,735	88,940	92,548	84,175
Baccalaureate	99,837	99,949	101,430	99,900	98,939	95,858	93,967	94,363	98,941	95,008
Public	62,279	60,416	60,940	59,462	59,109	55,631	54,664	55,514	57,952	55,390
Private	37,558	39,533	40,490	40,438	39,830	40,227	39,303	38,849	40,989	39,618
Associate Degree	88,121	91,004	91,102	91,527	92,069	94,060	100,019	105,324	109,605	104,968
Public	79,567	82,162	81,790	82,205	83,307	82,314	86,887	92,042	93,997	92,245
Private	8,554	8,842	9,312	9,322	8,762	11,746	13,132	13,282	15,608	12,723
Diploma	60,213	56,091	52,858	48,059	43,651	41,048	41,009	42,348	42,007	37,256
Public	9,066	7,667	6,714	5,863	5,262	4,912	4,709	5,539	6,056	5,422
Private	51,147	48,404	46,144	42,196	38,389	36,136	36,300	36,809	35,951	31,834

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 23

TOTAL ENROLLMENTS IN ALL BASIC RN PROGRAMS, BY NLN REGION AND STATE: 1975 TO 1984[1]

NLN REGION AND STATE	NUMBER OF TOTAL ENROLLMENTS									
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
United States	**248,171**	**247,044**	**245,390**	**239,486**	**234,659**	**230,966**	**234,995**	**242,035**	**250,553**	**237,232**
North Atlantic	78,086	77,321	74,905	73,281	73,784	70,465	69,404	69,082	72,276	68,798
Midwest	71,284	71,839	71,664	70,299	67,164	67,715	69,842	72,835	74,347	69,521
South	70,109	68,962	70,710	67,980	65,662	64,896	66,082	70,947	74,145	69,343
West	28,692	28,922	28,111	27,926	28,049	27,890	29,667	29,171	29,765	29,570
Alabama	4,584	4,742	5,161	5,272	4,940	5,220	5,453	5,536	6,796	5,727
Alaska	133	137	220	298	331	332	344	322	348	377
Arizona	2,988	2,769	2,082	1,980	2,025	2,042	2,199	2,185	2,535	2,389
Arkansas	1,744	1,957	2,235	2,182	2,047	2,163	2,374	2,434	2,628	2,090
California	12,550	12,648	12,668	12,863	13,344	13,652	14,724	14,287	14,028	16,442
Colorado	1,937	2,154	2,172	2,125	2,031	2,003	1,857	1,859	1,884	1,533
Connecticut	3,741	3,598	3,645	3,704	3,517	3,446	3,324	3,233	3,442	3,232
Delaware	1,279	1,285	1,187	1,279	1,304	1,320	1,334	1,261	1,370	1,279
District of Columbia	1,967	1,660	2,171	2,410	2,036	2,032	1,640	1,404	1,929	1,354
Florida	5,437	5,610	5,967	6,140	6,199	6,147	6,769	7,196	7,127	6,796
Georgia	5,277	4,825	4,549	4,097	3,848	3,797	3,848	4,087	4,200	4,016
Hawaii	363	383	368	380	392	403	402	392	481	508
Idaho	655	713	721	712	678	623	676	674	663	604
Illinois	13,553	13,346	13,587	13,153	12,454	12,392	12,479	12,889	13,171	12,197
Indiana	6,694	6,989	6,814	6,526	6,224	6,364	6,329	6,807	6,948	6,690
Iowa	3,916	4,006	4,197	4,328	4,081	4,286	4,350	4,565	4,585	4,342
Kansas	2,205	2,420	2,417	2,393	2,330	2,314	2,583	2,685	2,834	2,722
Kentucky	4,572	3,749	3,648	3,571	3,437	3,227	3,262	3,395	3,932	3,801
Louisiana	4,507	4,585	4,755	4,287	4,172	4,165	4,070	4,401	3,927	4,656
Maine	1,240	1,289	1,340	1,366	1,334	1,318	1,162	1,159	1,192	1,137
Maryland	3,836	3,917	3,809	3,765	3,817	3,521	3,817	4,069	4,353	4,007
Massachusetts	10,591	10,233	9,673	9,251	8,949	9,056	8,928	9,050	9,595	9,277
Michigan	9,261	9,499	9,321	9,050	8,449	8,554	8,851	9,100	9,041	8,601
Minnesota	5,362	4,921	4,689	4,837	4,553	4,462	4,619	4,514	4,465	3,862
Mississippi	2,491	2,862	2,703	2,586	2,598	2,601	2,782	3,070	3,304	3,341
Missouri	5,792	5,774	5,759	5,660	5,433	5,470	5,630	5,694	5,832	5,357
Montana	1,220	1,232	1,055	945	895	867	873	1,034	1,155	1,060
Nebraska	2,443	2,388	2,373	2,186	2,070	2,079	2,269	2,303	2,281	1,932
Nevada	521	434	385	458	470	419	586	611	711	657
New Hampshire	1,293	1,291	1,223	1,094	1,050	1,030	1,034	1,098	1,180	1,211
New Jersey	7,873	7,923	7,877	7,794	7,569	7,300	7,221	7,055	7,413	7,041
New Mexico	911	972	982	936	1,000	970	1,042	1,054	1,089	1,052
New York	31,580	31,157	29,060	28,082	29,834	26,361	26,057	25,566	25,997	24,550
North Carolina	6,171	6,017	6,226	5,854	5,807	5,660	5,555	5,893	6,235	5,727
North Dakota	1,317	1,398	1,426	1,386	1,313	1,307	1,312	1,323	1,409	1,165
Ohio	12,684	13,089	13,140	12,780	12,506	12,407	13,111	14,200	14,644	13,866
Oklahoma	2,180	2,049	2,249	2,281	2,348	2,319	2,296	2,481	2,471	2,377
Oregon	1,885	2,057	2,015	1,906	1,898	1,880	2,011	2,007	2,198	2,032
Pennsylvania	16,103	16,119	15,949	15,664	15,460	15,898	15,884	16,456	17,685	16,801
Rhode Island	1,739	2,072	2,075	1,952	2,083	2,091	2,204	2,181	1,883	2,282
South Carolina	2,573	2,691	2,719	2,583	2,392	2,216	2,372	2,592	3,233	2,750
South Dakota	1,627	1,589	1,527	1,563	1,502	1,468	1,568	1,568	1,570	1,489
Tennessee	6,039	5,838	5,748	5,539	5,341	5,754	5,946	6,368	6,625	6,269
Texas	13,002	12,325	12,635	11,661	10,769	10,527	9,783	11,166	11,007	10,166
Utah	950	1,013	940	1,044	1,001	860	981	952	939	723
Vermont	680	694	705	685	648	613	616	619	664	634
Virginia	5,249	5,356	5,674	5,617	5,385	5,292	5,346	5,671	5,525	5,003
Washington	4,272	4,121	4,189	3,935	3,698	3,552	3,675	3,445	3,357	3,407
West Virginia	2,287	2,238	2,347	2,254	2,250	2,287	2,409	2,588	2,708	2,557
Wisconsin	6,590	6,621	6,699	6,738	6,561	6,612	6,741	7,187	7,564	7,298
Wyoming	307	289	314	344	286	287	297	349	400	386
American Samoa	0	0	0	0	0	0	10	18	24	26
Guam	87	99	127	91	49	41	49	53	82	54
Puerto Rico	2,076	2,367	2,168	2,643	2,844	3,819	3,393	3,375	4,020	3,563
Virgin Islands	51	31	54	39	28	38	26	28	44	57

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 24

TOTAL ENROLLMENTS IN BASIC BACCALAUREATE NURSING PROGRAMS, BY NLN REGION AND STATE: 1975 TO 1984[1]

NLN REGION AND STATE	NUMBER OF TOTAL ENROLLMENTS[2]									
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
United States	**99,837**	**99,949**	**101,430**	**99,900**	**98,939**	**95,858**	**93,967**	**94,363**	**98,941**	**95,008**
North Atlantic	29,193	30,917	32,036	32,814	34,602	31,808	30,915	30,016	30,788	29,066
Midwest	26,391	26,741	27,138	26,668	25,508	26,330	25,850	26,819	28,108	27,505
South	31,299	29,703	30,747	29,026	27,428	26,927	26,253	26,790	28,191	26,500
West	12,954	12,588	11,509	11,392	11,401	10,793	10,949	10,738	11,854	11,937
Alabama	2,509	2,742	3,094	3,158	2,775	2,984	3,087	3,016	3,641	2,856
Alaska	77	71	154	232	262	270	264	254	288	310
Arizona	1,757	1,591	940	959	970	900	951	923	1,150	1,212
Arkansas	630	651	872	833	727	856	893	818	875	567
California	4,236	4,360	4,393	4,472	4,815	4,570	4,636	4,440	4,789	5,115
Colorado	993	1,226	1,202	1,170	1,078	1,029	931	935	921	614
Connecticut	1,655	1,693	1,726	1,776	1,660	1,591	1,562	1,517	1,607	1,526
Delaware	781	804	790	820	842	879	852	817	886	813
District of Columbia	1,519	1,238	1,797	1,988	1,555	1,575	1,353	1,078	1,570	1,151
Florida	1,305	1,333	1,519	1,609	1,630	1,625	1,538	1,528	1,760	1,619
Georgia	1,579	1,129	997	949	1,069	1,084	1,203	1,208	1,244	1,276
Hawaii	125	132	127	144	161	145	114	128	244	220
Idaho	177	197	213	222	209	164	136	93	88	84
Illinois	4,304	4,178	4,314	4,194	4,043	4,241	4,033	4,169	4,518	4,514
Indiana	2,986	3,254	3,117	2,866	2,755	2,779	2,557	3,070	3,361	3,073
Iowa	1,297	1,373	1,492	1,474	1,391	1,444	1,333	1,288	1,301	1,320
Kansas	779	841	905	985	1,042	1,115	1,106	1,169	1,193	1,264
Kentucky	1,942	1,150	1,007	942	802	689	702	767	1,298	1,276
Louisiana	2,811	2,823	2,953	2,648	2,376	2,320	2,163	2,419	1,922	2,756
Maine	509	549	588	593	605	597	443	387	458	530
Maryland	1,348	1,320	1,221	1,159	1,186	1,077	1,228	1,229	1,329	1,215
Massachusetts	3,993	3,992	3,798	3,830	3,990	4,297	4,355	4,494	4,569	4,518
Michigan	3,535	3,674	3,671	3,576	3,502	3,484	3,499	3,313	3,439	3,576
Minnesota	2,117	1,831	1,707	1,927	1,670	1,697	1,691	1,628	1,635	1,515
Mississippi	1,065	1,149	1,124	964	968	966	1,017	1,068	1,164	1,315
Missouri	1,664	1,657	1,705	1,632	1,569	1,821	1,835	1,781	1,677	1,438
Montana	892	933	824	750	699	687	691	797	901	868
Nebraska	644	607	672	503	502	510	520	546	589	457
Nevada	483	120	97	95	99	87	246	249	349	265
New Hampshire	562	555	550	524	545	572	618	619	597	619
New Jersey	2,459	2,507	2,683	2,780	2,758	2,537	2,500	2,352	2,253	1,997
New Mexico	338	365	424	304	286	266	304	315	360	345
New York	11,179	12,189	12,315	12,546	14,312	11,008	10,362	9,820	9,555	8,723
North Carolina	3,041	2,982	3,081	2,691	2,606	2,452	2,224	2,212	2,266	2,101
North Dakota	696	776	828	836	744	740	737	747	764	601
Ohio	3,484	3,828	4,112	4,077	3,808	3,609	3,676	3,932	4,347	4,380
Oklahoma	862	872	956	1,000	990	1,015	953	993	1,056	1,086
Oregon	747	772	625	611	539	502	559	546	727	890
Pennsylvania	5,194	5,685	6,058	6,316	6,528	6,927	6,967	7,086	7,800	7,367
Rhode Island	1,003	1,366	1,392	1,299	1,486	1,520	1,588	1,521	1,206	1,500
South Carolina	1,210	1,342	1,344	1,345	1,236	1,118	1,102	1,140	1,319	1,420
South Dakota	821	799	774	834	839	837	854	847	851	794
Tennessee	2,590	2,499	2,118	1,936	1,894	2,259	2,286	2,157	2,404	2,174
Texas	7,719	6,829	7,131	6,402	5,789	5,546	4,990	5,352	4,938	4,310
Utah	804	724	375	382	328	301	273	278	292	395
Vermont	339	339	339	342	321	305	315	325	329	322
Virginia	1,903	2,061	2,369	2,425	2,400	2,292	2,228	2,243	2,200	1,822
Washington	2,093	1,862	1,909	1,825	1,780	1,711	1,683	1,582	1,535	1,427
West Virginia	625	620	676	674	668	644	639	640	733	707
Wisconsin	4,224	4,124	4,126	4,055	3,955	4,053	4,009	4,329	4,433	4,573
Wyoming	232	235	226	226	175	161	161	198	210	192
American Samoa	0	0	0	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0	0	0	0
Puerto Rico	843	1,097	1,064	1,339	1,505	2,332	2,132	2,065	2,674	2,424
Virgin Islands	0	0	0	0	0	0	0	1	6	27

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Includes basic students only.

Table 25

TOTAL ENROLLMENTS IN ASSOCIATE DEGREE NURSING PROGRAMS, BY NLN REGION AND STATE: 1975 TO 1984[1]

NLN REGION AND STATE	NUMBER OF TOTAL ENROLLMENTS									
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
United States	**88,121**	**91,004**	**91,102**	**91,527**	**92,069**	**94,060**	**100,019**	**105,324**	**109,605**	**104,968**
North Atlantic	23,996	24,313	23,105	22,946	23,383	23,670	23,942	24,105	26,117	25,459
Midwest	21,569	22,452	22,606	23,451	23,366	24,194	26,406	27,980	28,652	26,899
South	28,831	29,686	30,527	30,184	30,112	30,480	32,334	36,019	37,955	35,754
West	13,725	14,553	14,864	14,946	15,208	15,716	17,337	17,220	16,861	16,856
Alabama	1,396	1,480	1,598	1,698	1,747	1,831	1,938	2,102	2,730	2,488
Alaska	56	66	66	66	69	62	80	68	60	67
Arizona	1,231	1,178	1,142	1,021	1,055	1,142	1,248	1,262	1,385	1,177
Arkansas	1,114	1,208	1,187	1,068	1,089	1,065	1,180	1,253	1,316	1,164
California	7,377	7,542	7,504	7,560	7,701	8,208	9,181	9,129	8,635	9,218
Colorado	661	643	684	704	729	767	737	743	721	759
Connecticut	815	912	986	994	952	942	908	878	966	872
Delaware	233	276	247	312	296	294	322	285	281	349
District of Columbia	275	275	222	269	349	370	249	326	359	203
Florida	3,650	3,801	3,945	4,017	4,082	4,236	4,945	5,372	5,055	4,868
Georgia	2,541	2,495	2,417	2,270	2,093	2,160	2,183	2,454	2,531	2,313
Hawaii	238	251	241	236	231	258	288	264	237	288
Idaho	478	516	508	490	469	459	540	581	575	520
Illinois	4,624	4,690	5,008	4,985	4,900	5,005	5,294	5,549	5,672	5,137
Indiana	2,446	2,427	2,444	2,548	2,466	2,570	2,761	2,719	2,560	2,535
Iowa	1,072	1,146	1,161	1,353	1,348	1,615	1,724	1,879	1,905	1,840
Kansas	561	724	762	806	846	895	1,076	1,115	1,215	1,199
Kentucky	2,263	2,322	2,339	2,390	2,374	2,320	2,354	2,459	2,634	2,525
Louisiana	950	1,002	985	896	1,091	1,139	1,192	1,219	1,267	1,105
Maine	230	295	371	406	372	368	391	462	471	398
Maryland	1,797	1,947	1,986	2,036	2,094	1,943	2,014	2,223	2,376	2,228
Massachusetts	2,474	2,481	2,595	2,578	2,475	2,458	2,397	2,431	2,915	2,864
Michigan	3,699	3,833	3,726	3,894	3,666	3,858	4,187	4,686	4,691	4,248
Minnesota	2,015	2,163	2,169	2,162	2,159	2,058	2,236	2,208	2,190	1,914
Mississippi	1,214	1,476	1,376	1,484	1,516	1,530	1,661	1,916	2,042	1,966
Missouri	1,376	1,456	1,438	1,554	1,547	1,496	1,579	1,700	1,855	1,904
Montana	186	213	180	195	196	180	182	237	254	192
Nebraska	487	558	530	534	529	574	668	644	619	550
Nevada	38	314	288	363	371	332	340	362	362	392
New Hampshire	150	164	146	153	139	151	183	278	414	461
New Jersey	2,701	2,721	2,630	2,608	2,609	2,631	2,553	2,428	2,779	2,714
New Mexico	573	607	558	632	714	704	738	739	729	707
New York	13,678	13,569	12,243	11,943	12,562	12,600	13,019	13,006	13,713	13,463
North Carolina	2,266	2,246	2,385	2,425	2,482	2,545	2,700	2,984	3,253	3,043
North Dakota	243	238	205	210	217	252	237	236	266	224
Ohio	3,741	3,822	3,730	3,817	4,044	4,097	4,484	4,956	5,097	5,020
Oklahoma	1,058	1,072	1,114	1,150	1,225	1,211	1,273	1,446	1,415	1,291
Oregon	805	941	1,053	954	1,035	1,078	1,167	1,147	1,267	1,034
Pennsylvania	2,596	2,802	2,843	2,911	2,890	3,150	3,205	3,295	3,495	3,271
Rhode Island	503	463	456	429	412	398	414	422	421	552
South Carolina	1,278	1,267	1,297	1,157	1,087	1,022	1,181	1,366	1,844	1,300
South Dakota	458	446	425	424	381	354	448	442	438	442
Tennessee	2,145	2,007	2,281	2,286	2,196	2,203	2,225	2,439	2,366	2,345
Texas	4,241	4,463	4,523	4,315	4,134	4,246	4,148	5,092	5,479	5,560
Utah	146	289	565	662	673	559	708	674	647	328
Vermont	341	355	366	343	327	308	301	294	335	312
Virginia	1,613	1,625	1,752	1,732	1,661	1,744	1,928	2,111	2,017	2,048
Washington	1,861	1,939	1,987	1,945	1,854	1,841	1,992	1,863	1,822	1,980
West Virginia	1,305	1,275	1,342	1,260	1,241	1,285	1,412	1,583	1,598	1,510
Wisconsin	847	949	1,008	1,164	1,263	1,420	1,712	1,846	2,141	1,886
Wyoming	75	54	88	118	111	126	136	151	190	194
American Samoa	0	0	0	0	0	0	10	18	24	26
Guam	87	99	127	91	49	41	49	53	82	84
Puerto Rico	1,233	1,270	1,104	1,304	1,339	1,487	1,261	1,310	1,346	1,139
Virgin Islands	51	31	54	39	28	38	26	27	38	30

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 26

TOTAL ENROLLMENTS IN DIPLOMA NURSING PROGRAMS, BY NLN REGION AND STATE: 1975 TO 1984[1]

NLN REGION AND STATE	NUMBER OF TOTAL ENROLLMENTS									
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
United States	60,213	56,091	52,858	48,059	43,651	41,048	41,009	42,348	42,007	37,256
North Atlantic	24,897	22,091	19,764	17,521	15,799	14,987	14,547	14,961	15,371	14,273
Midwest	23,324	22,646	21,920	20,180	18,290	17,191	17,586	18,036	17,587	15,117
South	9,979	9,573	9,436	8,770	8,122	7,489	7,495	8,138	7,999	7,089
West	2,013	1,781	1,738	1,588	1,440	1,381	1,381	1,213	1,050	777
Alabama	679	520	469	416	418	405	428	418	425	383
Alaska	0	0	0	0	0	0	0	0	0	0
Arizona	0	0	0	0	0	0	0	0	0	0
Arkansas	0	98	176	281	231	242	301	363	437	359
California	937	746	771	831	828	874	907	718	604	509
Colorado	283	285	286	251	224	207	189	181	242	160
Connecticut	1,271	993	933	934	905	913	854	838	869	834
Delaware	265	205	150	147	166	147	160	159	203	117
District of Columbia	173	147	152	153	132	87	38	0	0	0
Florida	482	476	503	514	487	286	286	296	312	309
Georgia	1,157	1,201	1,135	878	686	553	462	425	425	427
Hawaii	0	0	0	0	0	0	0	0	0	0
Idaho	0	0	0	0	0	0	0	0	0	0
Illinois	4,625	4,478	4,265	3,974	3,511	3,146	3,152	3,171	2,981	2,546
Indiana	1,262	1,308	1,253	1,112	1,003	1,015	1,011	1,018	1,027	1,082
Iowa	1,547	1,487	1,544	1,501	1,342	1,227	1,293	1,398	1,379	1,182
Kansas	865	855	750	602	442	304	401	401	426	259
Kentucky	367	277	302	239	261	218	206	169	0	0
Louisiana	746	760	817	743	705	706	715	763	738	795
Maine	501	445	381	367	357	353	328	310	263	209
Maryland	691	650	602	570	537	501	575	617	648	564
Massachusetts	4,124	3,760	3,280	2,843	2,484	2,301	2,176	2,125	2,111	1,895
Michigan	2,027	1,992	1,924	1,570	1,281	1,212	1,165	1,101	911	777
Minnesota	1,230	927	813	748	724	707	692	678	640	433
Mississippi	212	237	203	138	114	105	104	86	98	60
Missouri	2,752	2,661	2,616	2,474	2,317	2,153	2,216	2,213	2,300	2,015
Montana	142	86	51	0	0	0	0	0	0	0
Nebraska	1,312	1,223	1,171	1,149	1,039	995	1,081	1,113	1,073	925
Nevada	0	0	0	0	0	0	0	0	0	0
New Hampshire	581	572	527	417	366	307	233	201	169	131
New Jersey	2,713	2,695	2,564	2,406	2,202	2,132	2,168	2,275	2,381	2,330
New Mexico	0	0	0	0	0	0	0	0	0	0
New York	6,723	5,399	4,502	3,593	2,960	2,753	2,676	2,740	2,729	2,364
North Carolina	864	789	760	738	719	663	631	697	716	643
North Dakota	378	384	393	340	352	315	338	340	379	340
Ohio	5,459	5,439	5,298	4,886	4,654	4,701	4,951	5,312	5,200	4,466
Oklahoma	260	105	179	131	133	93	70	42	0	0
Oregon	333	344	337	341	324	300	285	314	204	108
Pennsylvania	8,313	7,632	7,048	6,437	6,042	5,821	5,712	6,075	6,390	6,163
Rhode Island	233	243	227	224	185	173	202	238	256	230
South Carolina	85	82	78	81	69	76	89	86	70	30
South Dakota	348	344	328	305	282	277	266	279	281	253
Tennessee	1,304	1,332	1,349	1,317	1,251	1,292	1,435	1,772	1,855	1,750
Texas	1,042	1,033	981	944	846	735	645	722	590	296
Utah	0	0	0	0	0	0	0	0	0	0
Vermont	0	0	0	0	0	0	0	0	0	0
Virginia	1,733	1,670	1,553	1,460	1,324	1,256	1,190	1,317	1,308	1,133
Washington	318	320	293	165	64	0	0	0	0	0
West Virginia	357	343	329	320	341	358	358	365	377	340
Wisconsin	1,519	1,548	1,565	1,519	1,343	1,139	1,020	1,012	990	839
Wyoming	0	0	0	0	0	0	0	0	0	0
American Samoa	0	0	0	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0	0	0	0
Puerto Rico	0	0	0	0	0	0	0	0	0	0
Virgin Islands	0	0	0	0	0	0	0	0	0	0

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands

Table 27

ENROLLMENTS IN ACCREDITED AND NON-ACCREDITED PROGRAMS, BY NLN REGION AND STATE AND TYPE OF PROGRAM[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS	NUMBER OF ENROLLMENTS											
		ALL BASIC RN PROGRAMS			BACCALAUREATE PROGRAMS			ASSOCIATE DEGREE PROGRAMS			DIPLOMA PROGRAMS		
		Total	Accredited	Not Accredited	Total	Accredited	Not Accredited	Total	Accredited	Not Accredited	Total	Accredited	Not Accredited
United States	**1,477**	**237,232**	**199,667**	**37,565**	**95,008**	**89,922**	**5,086**	**104,968**	**73,188**	**31,780**	**37,256**	**36,557**	**699**
North Atlantic	357	68,798	63,275	5,523	29,066	27,921	1,145	25,459	21,436	4,023	14,273	13,918	355
Midwest	431	69,521	59,201	10,320	27,505	25,876	1,629	26,899	18,208	8,691	15,117	15,117	0
South	484	69,343	56,840	12,503	26,500	25,114	1,386	35,754	24,981	10,773	7,089	6,745	344
West	205	29,570	20,351	9,219	11,937	11,011	926	16,856	8,563	8,293	777	777	0
Alabama	37	5,727	5,435	292	2,856	2,794	62	2,488	2,258	230	383	383	0
Alaska	2	377	377	0	310	310	0	67	67	0	0	0	0
Arizona	16	2,389	2,322	67	1,212	1,212	0	1,177	1,110	67	0	0	0
Arkansas	20	2,090	1,715	375	567	567	0	1,164	885	279	359	263	96
California	93	16,442	8,450	6,392	5,115	4,618	497	9,218	3,323	5,895	509	509	0
Colorado	12	1,533	1,132	401	614	614	0	759	358	401	160	160	0
Connecticut	18	3,232	3,232	0	1,526	1,526	0	872	872	0	834	834	0
Delaware	7	1,279	997	282	813	691	122	349	261	88	117	45	72
District of Columbia	6	1,354	1,354	0	1,151	1,151	0	203	203	0	0	0	0
Florida	40	6,796	4,332	2,464	1,619	1,411	208	4,868	2,612	2,256	309	309	0
Georgia	34	4,016	3,974	42	1,276	1,234	42	2,313	2,313	0	427	427	0
Hawaii	6	508	370	138	220	185	35	288	185	103	0	0	0
Idaho	6	604	604	0	84	84	0	520	520	0	0	0	0
Illinois	78	12,197	10,133	2,064	4,514	4,152	362	5,137	3,435	1,702	2,546	2,546	0
Indiana	37	6,690	6,132	558	3,073	2,912	161	2,535	2,138	397	1,082	1,082	0
Iowa	39	4,342	2,353	1,989	1,320	1,171	149	1,840	0	1,840	1,182	1,182	0
Kansas	30	2,722	2,494	228	1,264	1,264	0	1,199	971	228	259	259	0
Kentucky	28	3,801	2,627	1,174	1,276	1,072	204	2,525	1,555	970	0	0	0
Louisiana	22	4,656	4,234	422	2,756	2,462	294	1,105	1,012	93	795	760	35
Maine	12	1,137	954	183	530	441	89	398	304	94	209	209	0
Maryland	25	4,007	3,216	791	1,215	1,185	30	2,228	1,492	736	564	539	25
Massachusetts	48	9,277	8,943	334	4,518	4,467	51	2,864	2,581	283	1,895	1,895	0
Michigan	51	8,601	5,985	2,616	3,576	3,454	122	4,248	1,754	2,494	777	777	0
Minnesota	25	3,862	3,673	189	1,515	1,515	0	1,914	1,725	189	433	433	0
Mississippi	22	3,341	2,759	582	1,315	1,315	0	1,966	1,444	522	60	0	60
Missouri	39	5,357	4,250	1,107	1,438	1,031	407	1,904	1,204	700	2,015	2,015	0
Montana	4	1,060	868	192	868	868	0	192	0	192	0	0	0
Nebraska	11	1,932	1,932	0	457	457	0	550	550	0	925	925	0
Nevada	5	657	551	106	265	265	0	392	286	106	0	0	0
New Hampshire	11	1,211	869	342	619	569	50	461	169	292	131	131	0
New Jersey	39	7,041	6,727	314	1,997	1,997	0	2,714	2,400	314	2,330	2,330	0
New Mexico	11	1,052	754	298	345	345	0	707	409	298	0	0	0
New York	106	24,550	22,546	2,004	8,723	8,711	12	13,463	11,680	1,783	2,364	2,155	209
North Carolina	57	5,787	2,990	2,797	2,101	2,101	0	3,043	317	2,726	643	572	71
North Dakota	9	1,165	1,165	0	601	601	0	224	224	0	340	340	0
Ohio	71	13,866	12,963	903	4,380	4,198	182	5,020	4,299	721	4,466	4,466	0
Oklahoma	27	2,377	1,871	506	1,086	848	238	1,291	1,023	268	0	0	0
Oregon	18	2,032	1,317	715	890	496	394	1,034	713	321	108	108	0
Pennsylvania	98	16,801	14,764	2,037	7,367	6,546	821	3,271	2,129	1,142	6,163	6,089	74
Rhode Island	7	2,282	2,282	0	1,500	1,500	0	552	552	0	230	230	0
South Carolina	19	2,750	2,256	494	1,420	1,306	114	1,300	950	350	30	0	30
South Dakota	9	1,489	1,444	45	794	794	0	442	397	45	253	253	0
Tennessee	33	6,269	5,592	677	2,174	2,127	47	2,345	1,715	630	1,750	1,750	0
Texas	64	10,166	9,061	1,105	4,310	4,310	0	5,560	4,455	1,105	296	296	0
Utah	4	723	723	0	395	395	0	328	328	0	0	0	0
Vermont	5	634	607	27	322	322	0	312	285	27	0	0	0
Virginia	37	5,003	4,632	371	1,822	1,716	106	2,048	1,810	238	1,133	1,106	27
Washington	23	3,407	2,614	793	1,427	1,427	0	1,980	1,187	793	0	0	0
West Virginia	18	2,557	2,146	411	707	666	41	1,510	1,140	370	340	340	0
Wisconsin	33	7,298	6,677	621	4,573	4,327	246	1,886	1,511	375	839	839	0
Wyoming	5	386	269	117	192	192	0	194	77	117	0	0	0
American Samoa	1	26	0	26	0	0	0	26	0	26	0	0	0
Guam	1	54	0	0	0	0	0	54	0	54	0	0	0
Puerto Rico	19	3,563	1,945	1,618	2,424	1,255	1,169	1,139	690	449	0	0	0
Virgin Islands	2	27	30	37	27	0	27	30	30	–	0	0	0

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands

Enrollments of RNs in Baccalaureate Nursing Programs (Table 28-30)

- Enrollments of RNs in baccalaureate programs continues to increase. The number of RNs enrolled in generic programs increased 6.3 percent in 1984, and the number of RNs in specially designed baccalaureate (BRN) programs grew 5.3 percent, bringing the total number of RNs in baccalaureate programs to 41,112 (see Table 28).

- The combined number of generic and RN students enrolled in baccalaureate programs in 1984 was 136,120—a 1.2 percent decrease since 1983. Generic students make up almost 70 percent of all baccalaureate students, and RNs comprise the remaining 30 percent (see Table 28).

- A look at the ten-year trend in baccalaureate education reveals that generic enrollment decreased almost 5 percent since 1975. In contrast, enrollment of RNs in generic programs grew 111 percent in the last decade, while enrollments in BRN programs almost quadrupled (+ 267%) during the same period (see Table 28).

- Generic baccalaureate students are more likely to be studying full time than the returning RN. Almost 90 percent of generic BSN students attend full time, whereas only 31 percent of RNs in generic programs and about 26 percent of those enrolled in BRN programs are full-time students (see Table 29).

- The overall trend toward part-time attendance in baccalaureate programs can be accounted for by the increase in returning RNs (see Table 29).

- A regional breakdown indicates that the largest group of returning RNs, almost 40 percent of the total, is in the North Atlantic region. The Midwest follows, with 25 percent of the total; the South has 20 percent; and the West, 15 percent (see Table 30).

- The number of RNs enrolled in baccalaureate programs increased over the past year in all regions. Increases ranged from 1 percent in the North Atlantic to 7 percent in the South and Midwest, to almost 16 percent in the West (see Table 30).

- Examination of five-year trends in numbers of RNs enrolled in baccalaureate programs reveals that enrollments in special BRN programs jumped 48 percent since 1980. The number of RNs in generic baccalaureate programs grew nearly 9 percent, but generic BSN enrollments fell almost 1 percent (see Table 30).

Table 28

GENERIC AND RN STUDENT ENROLLMENTS IN BACCALAUREATE NURSING PROGRAMS: 1975 TO 1984[1]

YEAR	ENROLLMENTS IN BACCALAUREATE NURSING PROGRAMS			
	Total Enrollments	Generic Programs		BRN* Programs
		Generic Students	RN Students	RN Students
1975	115,553	99,837	10,653	5,063
1976	119,047	99,949	11,977	7,121
1977	124,578	101,430	14,032	9,116
1978	125,337	99,900	16,550	8,887
1979	126,612	98,939	16,987	10,686
1980	129,111	95,858	20,722	12,531
1981	126,881	93,967	19,650	13,264
1982	129,125	94,363	20,933	14,729
1983	137,792	98,941	21,192	17,659
1984	136,120	95,008	22,520	18,592

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

* BRN programs are baccalaureate programs that admit only RNs.

Table 29

FULL-TIME AND PART-TIME ENROLLMENTS OF BASIC AND RN STUDENTS IN BACCALAUREATE NURSING PROGRAMS: 1980 TO 1984[1]

YEAR AND TYPE OF STUDENT	ENROLLMENTS IN BACCALAUREATE NURSING PROGRAMS		
	Total	Full Time	Part Time
1980 (Total)	**129,111**	**100,835**	**28,276**
Basic Students	95,858	88,512	7,346
RNs in Basic Programs	20,722	8,537	12,185
RNs in BRN* Programs	12,531	3,786	8,745
1981 (Total)	**126,881**	**97,583**	**29,298**
Basic Students	93,967	86,094	7,873
RNs in Basic Programs	19,650	7,489	12,161
RNs in BRN* Programs	13,264	4,000	9,264
1982 (Total)	**130,025**	**97,079**	**32,946**
Basic Students	94,363	86,160	8,203
RNs in Basic Programs	20,933	7,199	13,734
RNs in BRN* Programs	14,729	3,720	11,009
1983 (Total)	**139,010**	**100,771**	**38,239**
Basic Students	98,941	88,879	10,062
RNs in Basic Programs	22,225	7,229	14,996
RNs in BRN* Programs	17,844	4,663	13,181
1984 (Total)	**136,120**	**97,256**	**38,865**
Basic Students	95,008	85,253	9,755
RNs in Basic Programs	22,520	7,004	15,516
RNs in BRN* Programs	18,592	4,818	13,774

[1] National and regional totals do not include American Samoa, Guam, Puerto Rico, and the Virgin Islands.

*BRN programs are baccalaureate programs that admit only RNs.

Table 30

TOTAL ENROLLMENTS IN BACCALAUREATE NURSING PROGRAMS, BY NLN REGION AND STATE: 1980 TO 1984[1]

NLN REGION AND STATE	ENROLLMENTS IN BACCALAUREATE NURSING PROGRAMS [2]									
	1980		1981		1982		1983		1984	
	Total	RNs Only	Total	RNs Only	Total	RNs Only	Total	RNs Only	Total	RNs Only
United States	**129,111**	**33,253**	**126,881**	**32,914**	**129,140**	**34,777**	**137,792**	**38,851**	**136,120**	**41,112**
North Atlantic	47,087	15,279	45,284	14,369	44,641	14,625	47,030	16,242	45,485	16,419
Midwest	34,276	7,946	34,268	8,418	35,999	9,180	37,820	9,712	37,895	10,390
South	33,086	6,159	33,229	6,976	34,220	7,430	35,730	7,539	34,595	8,095
West	14,662	3,869	14,100	3,151	14,280	3,542	17,212	5,358	18,145	6,208
Alabama	3,524	550	3,626	539	3,680	664	4,186	545	3,351	495
Alaska	360	90	337	73	319	65	347	59	385	75
Arizona	1,051	151	1,124	173	1,054	131	1,613	463	1,937	725
Arkansas	909	53	942	49	884	66	932	57	636	69
California	6,376	1,806	6,017	1,381	6,210	1,770	7,816	3,027	8,582	3,467
Colorado	1,835	806	1,505	574	1,456	521	1,495	574	1,336	722
Connecticut	2,071	480	2,146	584	2,156	639	2,310	703	2,040	514
Delaware	912	33	888	36	932	115	981	95	911	98
District of Columbia	1,666	91	1,461	108	1,209	131	1,715	145	1,279	128
Florida	2,302	677	2,712	1,174	2,391	863	3,124	1,364	2,871	1,252
Georgia	1,437	353	1,458	255	1,441	233	1,466	222	1,498	222
Hawaii	156	11	129	15	207	79	363	119	371	151
Idaho	248	84	203	67	192	99	181	93	150	66
Illinois	5,981	1,740	5,685	1,652	5,912	1,743	6,419	1,901	6,536	2,022
Indiana	3,520	741	3,735	1,178	3,948	878	4,445	1,084	3,904	831
Iowa	1,859	415	1,811	478	1,745	457	1,652	351	1,770	450
Kansas	1,347	232	1,427	321	1,580	411	1,530	337	1,608	344
Kentucky	1,407	718	1,286	584	1,978	1,211	2,173	875	2,136	860
Louisiana	2,486	166	2,351	188	2,696	277	2,309	345	3,050	294
Maine	618	21	462	19	449	62	510	94	628	98
Maryland	1,610	533	1,735	507	1,816	587	1,790	461	1,793	578
Massachusetts	5,697	1,400	5,919	1,564	6,011	1,517	6,586	2,017	6,692	2,174
Michigan	4,487	1,003	4,370	871	4,321	1,008	4,433	994	5,090	1,514
Minnesota	1,900	203	1,948	257	2,003	375	2,167	532	2,219	704
Mississippi	1,178	212	1,289	272	1,244	176	1,336	172	1,480	165
Missouri	2,898	1,077	3,047	1,212	2,990	1,209	2,857	1,180	2,632	1,194
Montana	743	56	741	50	847	50	919	18	879	11
Nebraska	810	300	842	322	1,056	510	1,192	603	980	523
Nevada	205	118	347	101	351	102	438	89	360	95
New Hampshire	946	374	936	318	932	313	871	274	877	258
New Jersey	4,658	2,121	4,097	1,597	3,893	1,541	3,502	1,249	3,718	1,721
New Mexico	326	60	361	57	361	46	530	170	467	122
New York	19,519	8,511	18,231	7,869	17,096	7,276	17,045	7,490	15,397	6,674
North Carolina	2,831	379	2,551	327	2,520	308	2,619	353	2,648	547
North Dakota	792	52	812	75	822	75	829	65	678	77
Ohio	4,860	1,251	5,039	1,363	5,265	1,333	5,720	1,373	5,958	1,578
Oklahoma	1,097	82	1,059	106	1,206	213	1,261	205	1,219	133
Oregon	671	169	734	175	798	252	959	232	1,118	228
Pennsylvania	8,633	1,706	8,586	1,619	9,500	2,414	11,124	3,324	11,821	4,454
Rhode Island	1,928	408	2,052	464	1,999	478	1,981	775	1,675	175
South Carolina	1,322	204	1,298	196	1,342	202	1,627	308	1,721	301
South Dakota	913	76	899	45	958	111	937	86	897	103
Tennessee	2,811	552	3,063	777	2,637	480	2,922	518	2,757	583
Texas	6,421	875	5,849	859	6,378	1,026	5,957	1,019	5,726	1,416
Utah	444	143	406	133	391	113	452	160	545	150
Vermont	361	56	365	50	464	139	405	76	447	125
Virginia	2,822	530	2,874	646	2,940	697	2,809	609	2,575	753
Washington	2,072	361	2,019	336	1,879	297	1,883	348	1,803	376
West Virginia	919	275	981	342	1,067	427	1,219	486	1,134	427
Wisconsin	4,987	934	4,949	940	5,399	1,070	5,639	1,206	5,623	1,050
Wyoming	175	14	177	16	215	17	216	6	212	20
American Samoa	0	0	0	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0	0	0	0
Puerto Rico	2,750	418	2,575	443	2,945	880	3,692	1,018	3,108	684
Virgin Islands	0	0	0	0	6	5	21	15	27	12

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Totals include RNs in basic programs, RNs in BRN programs, and basic BSN students.

GRADUATIONS

Graduations from Basic RN Programs (Tables 31-37)

- Graduations from all basic RN programs increased from 77,408 in 1982-83 to 80,312 in 1983-84—a 3.8 percent increase. The number of associate degree graduates grew 6 percent to 44,394. Diploma graduations increased 4 percent, whereas BSN graduates fell 0.6 percent (see Table 31).

- Examination of trends over the past five years reveals that the number of graduates from baccalaureate programs has been declining continuously since peaking in the previous year, 1978-79. Associate degree graduations have waxed and waned over the past five years, reaching their apex in 1983-1984. Despite the slight rise in diploma graduations, the number reported in 1983-84 is still 2,300 less than the 1979-80 figure (see Table 32).

- A look at the ten-year trend reveals that overall graduations rose 8.6 percent since 1974-75. Associate degree program graduations surged almost 38 percent, but diploma program graduations plummeted 43 percent. Graduations from baccalaureate programs increased almost 18 percent in the past decade (see Table 32).

- Both public and private institutions reported increases of nearly 4 percent in their 1983-84 graduations (see Table 32).

- Only the West reported a decrease in overall basic RN graduations, of 4.2 percent. The South reported an 8.6 percent increase in total graduations; the Midwest, an increase of 4.4 percent; and the North Atlantic, a 2.0 percent increase (see Table 33).

- Graduations from the Midwest and South each represent 30 percent of all graduations from generic baccalaureate programs. Graduations from the North Atlantic region comprised about 28 percent of the total, and the West graduated 12 percent (see Table 34).

- Eighty-one percent (65,311) of graduations from all basic RN programs were from programs accredited by NLN. Of graduates from baccalaureate programs, 98 percent came from accredited programs, and 97 percent of diploma graduations came from accredited programs. However, only 68 percent of associate degree graduates were from NLN-accredited programs (see Table 37).

Table 31

GRADUATIONS FROM BASIC RN PROGRAMS AND PERCENTAGE CHANGE FROM PREVIOUS YEAR, BY TYPE OF PROGRAM: 1963-64 TO 1983-84[1]

ACADEMIC YEAR	ALL BASIC RN PROGRAMS		BACCALAUREATE PROGRAMS		ASSOCIATE DEGREE PROGRAMS		DIPLOMA PROGRAMS	
	Number of Graduations	Percent Change	Number of Graduations	Percent Change	Number of Graduations	Percent Change	Number of Graduations	Percent Change
1963-64	35,050	+8.8	5,053	+12.9	1,962	+32.7	28,035	+6.7
1964-65	34,497	-1.6	5,376	+6.4	2,510	+27.9	26,611	-5.1
1965-66	34,909	+1.2	5,488	+2.1	3,349	+33.4	26,072	-2.0
1966-67	37,931	+8.7	6,122	+11.5	4,639	+38.5	27,170	+4.2
1967-68	41,245	+8.7	7,132	+16.5	6,163	+32.8	27,950	+2.9
1968-69	41,801	+1.3	8,355	+17.1	8,578	+39.2	24,868	-11.0
1969-70	43,103	+3.1	9,069	+8.5	11,483	+33.9	22,551	-9.3
1970-71	46,455	+7.8	9,856	+8.7	14,534	+26.6	22,065	-2.2
1971-72	51,304	+10.4	10,968	+11.3	18,926	+30.2	21,410	-3.0
1972-73	58,881	+14.8	13,055	+19.0	24,497	+29.4	21,329	-0.4
1973-74	67,061	+13.9	16,957	+29.9	28,919	+18.0	21,185	-0.7
1974-75	73,915	+10.2	20,170	+18.9	32,183	+11.3	21,562	+1.8
1975-76	77,065	+4.3	22,579	+11.9	34,625	+7.6	19,861	-7.9
1976-77	77,755	+0.9	23,452	+3.9	36,289	+4.8	18,014	-9.3
1977-78	77,874	+0.1	24,187	+3.1	36,556	+0.7	17,131	-4.9
1978-79	77,132	-1.0	25,048	+3.6	36,264	-0.8	15,820	-7.7
1979-80	75,523	-2.1	24,994	-0.2	36,034	-0.6	14,495	-8.4
1980-81	73,985	-2.0	24,370	-2.5	36,712	+1.9	12,903	-11.0
1981-82	74,052	+0.1	24,081	-1.2	38,289	+4.3	11,682	-9.5
1982-83	77,408	+4.5	23,855	-0.9	41,849	+9.3	11,704	+0.2
1983-84	80,312	+3.8	23,718	-0.6	44,394	+6.1	12,200	+4.2

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[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands

Table 32

GRADUATIONS FROM PUBLIC AND PRIVATE BASIC RN PROGRAMS, BY TYPE OF PROGRAM: 1974-75 TO 1983-84[1]

PUBLIC AND PRIVATE NURSING PROGRAMS	NUMBER OF GRADUATIONS									
	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84
All Programs	**73,915**	**77,065**	**77,755**	**77,874**	**77,132**	**75,523**	**73,985**	**74,052**	**77,408**	**80,312**
Public	45,094	48,299	49,857	49,705	49,444	48,773	48,567	50,118	53,254	55,270
Private	28,821	28,766	27,898	28,169	27,688	26,750	25,418	23,934	24,154	25,042
Baccalaureate	20,170	22,579	23,452	24,187	25,048	24,994	24,370	24,081	23,855	23,718
Public	12,879	14,264	14,673	14,878	15,297	15,100	14,478	14,532	14,470	14,112
Private	7,291	8,315	8,779	9,309	9,751	9,894	9,892	9,549	9,385	9,606
Associate Degree	32,183	34,625	36,289	36,556	36,264	36,034	36,712	38,289	41,849	44,394
Public	28,980	30,963	32,416	32,573	32,293	31,904	32,560	33,988	37,097	39,314
Private	3,203	3,662	3,873	3,983	3,971	4,130	4,152	4,301	4,752	5,080
Diploma	21,562	19,861	18,014	17,131	15,820	14,495	12,903	11,682	11,704	12,200
Public	3,235	3,072	2,768	2,254	1,854	1,769	1,529	1,598	1,687	1,844
Private	18,327	16,789	15,246	14,877	13,966	12,726	11,374	10,084	10,017	10,356

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[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands

Table 33

GRADUATIONS FROM ALL BASIC RN PROGRAMS, BY NLN REGION AND STATE: 1974-75 TO 1983-84[1]

NLN REGION AND STATE	NUMBER OF GRADUATIONS									
	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84
United States	**73,915**	**77,065**	**77,756**	**77,874**	**77,132**	**75,523**	**73,985**	**74,052**	**77,408**	**80,312**
North Atlantic	22,351	22,862	22,897	21,958	21,400	20,312	20,318	19,415	19,497	19,897
Midwest	22,558	22,726	22,828	23,157	23,213	23,065	22,523	22,508	23,969	25,041
South	19,284	21,197	21,685	22,298	22,014	21,489	20,740	20,914	22,391	24,308
West	9,722	10,280	10,345	10,461	10,505	10,657	10,404	11,215	11,551	11,066
Alabama	1,123	1,488	1,493	1,515	1,589	1,628	1,590	1,646	1,778	2,037
Alaska	40	52	38	38	43	57	37	71	78	56
Arizona	756	746	890	730	784	779	776	822	869	821
Arkansas	517	480	651	603	676	691	611	654	769	809
California	4,825	4,986	5,106	5,185	5,231	5,177	5,427	5,961	5,958	5,718
Colorado	555	581	647	664	662	772	608	674	607	674
Connecticut	1,182	1,178	1,083	952	1,072	1,000	976	943	914	846
Delaware	354	352	380	322	362	384	332	371	395	377
District of Columbia	338	409	383	428	389	342	391	344	284	312
Florida	2,221	2,281	2,214	2,352	2,456	2,387	2,649	2,698	2,917	3,342
Georgia	1,511	1,650	1,705	1,546	1,472	1,312	1,192	1,240	1,310	1,361
Hawaii	136	170	150	149	148	158	163	165	180	154
Idaho	247	244	277	261	267	286	237	260	295	298
Illinois	4,023	4,297	4,381	4,379	4,507	4,281	4,197	4,084	4,479	4,513
Indiana	1,982	1,967	2,010	2,160	2,053	2,006	1,922	1,947	2,140	1,979
Iowa	1,352	1,286	1,361	1,452	1,597	1,570	1,620	1,609	1,702	1,649
Kansas	895	839	915	1,030	944	968	949	984	1,029	1,071
Kentucky	1,273	1,307	1,286	1,308	1,312	1,282	1,178	1,157	1,290	1,304
Louisiana	812	1,138	944	1,161	1,027	965	928	955	957	966
Maine	353	369	331	390	414	395	383	381	446	422
Maryland	1,427	1,423	1,450	1,475	1,430	1,316	1,294	1,335	1,441	1,576
Massachusetts	3,227	3,062	3,227	3,092	2,871	2,669	2,675	2,469	2,612	2,584
Michigan	3,175	2,893	2,968	3,111	3,146	2,963	2,937	3,118	3,229	3,577
Minnesota	1,833	1,986	1,820	1,804	1,749	1,805	1,736	1,709	1,722	1,741
Mississippi	715	718	810	810	848	888	871	859	949	1,027
Missouri	1,899	2,020	1,965	1,829	1,805	1,811	1,727	1,682	1,808	1,933
Montana	280	283	296	317	251	209	205	197	212	254
Nebraska	769	752	691	728	757	713	699	788	782	825
Nevada	129	152	138	127	132	159	140	167	186	187
New Hampshire	307	325	377	365	333	316	278	280	292	333
New Jersey	2,125	2,246	2,414	2,370	2,304	2,244	2,260	2,034	2,014	2,044
New Mexico	281	323	285	357	341	438	315	355	384	382
New York	8,643	9,305	8,942	8,416	8,112	7,642	7,541	7,300	7,111	7,294
North Carolina	1,640	1,907	1,801	1,903	1,870	1,921	1,938	1,932	1,946	2,048
North Dakota	506	429	459	437	426	445	435	438	398	490
Ohio	3,988	4,091	4,093	4,073	4,126	4,168	4,061	3,936	4,317	4,659
Oklahoma	732	737	747	780	806	847	841	819	930	902
Oregon	717	724	747	771	815	789	719	768	866	711
Pennsylvania	5,181	4,904	5,049	4,902	4,797	4,636	4,828	4,588	4,803	4,982
Rhode Island	428	497	498	492	536	486	464	533	480	504
South Carolina	595	760	872	826	730	674	586	675	705	927
South Dakota	446	487	492	448	445	468	421	402	433	450
Tennessee	1,355	1,531	1,590	1,620	1,698	1,653	1,435	1,559	1,792	1,830
Texas	3,203	3,384	3,775	3,875	3,619	3,553	3,339	3,114	3,168	3,524
Utah	368	450	422	422	419	494	489	448	567	396
Vermont	213	215	213	229	210	198	190	172	177	199
Virginia	1,390	1,592	1,592	1,673	1,658	1,627	1,556	1,501	1,612	1,776
Washington	1,320	1,502	1,274	1,393	1,323	1,261	1,207	1,242	1,272	1,306
West Virginia	770	801	755	763	751	745	732	770	796	889
Wisconsin	1,690	1,679	1,673	1,794	1,730	1,867	1,918	1,811	1,930	2,154
Wyoming	68	67	75	47	89	78	81	85	77	109
American Samoa	0	0	0	0	0	0	0	0	0	32
Guam	20	10	17	50	38	16	16	17	11	11
Puerto Rico	585	548	684	759	746	866	874	893	1,045	1,127
Virgin Islands	16	10	5	14	16	10	15	13	10	8

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 34

GRADUATIONS FROM BACCALAUREATE NURSING PROGRAMS, BY NLN REGION AND STATE: 1974-75 TO 1983-84[1]

NLN REGION AND STATE	NUMBER OF GRADUATIONS[2]									
	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84
United States	**20,170**	**22,579**	**23,452**	**24,187**	**25,048**	**24,994**	**24,370**	**24,081**	**23,855**	**23,718**
North Atlantic	5,320	6,228	6,723	6,817	7,107	7,131	7,208	7,207	6,903	6,557
Midwest	5,807	6,371	6,418	6,625	7,086	7,239	7,243	6,953	7,314	7,182
South	5,802	6,628	7,062	7,356	7,515	7,267	6,950	6,958	6,760	7,132
West	3,241	3,352	3,249	3,389	3,340	3,357	2,969	2,968	2,878	2,847
Alabama	313	512	569	561	679	629	612	617	706	825
Alaska	15	31	12	13	15	26	18	35	36	34
Arizona	312	305	394	258	255	304	268	278	255	250
Arkansas	85	77	133	148	167	169	149	155	163	235
California	1,339	1,243	1,286	1,386	1,433	1,277	1,264	1,244	1,189	1,153
Colorado	207	268	261	284	291	397	249	269	227	244
Connecticut	282	321	370	327	364	366	372	329	343	292
Delaware	154	156	178	141	149	188	149	190	184	161
District of Columbia	239	247	260	307	303	266	290	258	227	243
Florida	418	426	399	425	475	444	519	479	451	574
Georgia	312	371	317	331	348	399	337	347	392	395
Hawaii	54	60	66	62	55	72	80	64	70	52
Idaho	42	40	62	52	61	90	49	44	43	37
Illinois	741	957	978	1,015	1,131	1,069	1,207	1,055	1,182	1,122
Indiana	548	588	712	710	700	704	633	673	771	630
Iowa	393	357	363	419	522	474	446	451	417	398
Kansas	288	307	325	356	393	399	424	421	483	399
Kentucky	305	305	301	328	341	234	194	187	189	217
Louisiana	354	432	486	517	445	456	386	452	393	408
Maine	94	97	87	107	122	138	126	124	122	113
Maryland	512	485	514	492	399	427	372	418	443	436
Massachusetts	853	805	1,014	885	855	864	865	956	967	958
Michigan	690	742	787	823	950	925	943	917	945	960
Minnesota	578	627	605	632	602	628	613	616	588	598
Mississippi	158	166	270	256	250	297	271	286	293	324
Missouri	342	428	395	351	381	407	413	474	480	464
Montana	170	193	205	195	192	158	151	130	127	164
Nebraska	200	115	132	165	167	176	178	202	180	207
Nevada	57	54	56	52	35	54	35	41	34	41
New Hampshire	105	117	123	132	122	107	120	120	127	116
New Jersey	303	427	480	516	566	525	535	537	550	377
New Mexico	100	89	45	110	86	101	69	73	74	81
New York	2,068	2,625	2,525	2,750	2,869	2,876	2,877	2,713	2,388	2,323
North Carolina	629	714	774	790	770	748	809	752	667	611
North Dakota	190	190	201	208	206	237	210	206	191	234
Ohio	744	931	924	932	1,084	1,124	1,094	912	992	1,054
Oklahoma	268	267	274	297	345	356	343	331	306	311
Oregon	228	268	248	274	265	227	140	201	210	170
Pennsylvania	983	1,129	1,370	1,331	1,407	1,480	1,567	1,585	1,675	1,640
Rhode Island	168	222	241	247	275	253	246	322	252	261
South Carolina	183	241	306	284	274	222	216	269	232	283
South Dakota	156	199	174	170	186	192	171	198	183	184
Tennessee	346	388	423	437	408	417	369	431	448	480
Texas	1,400	1,599	1,677	1,706	1,816	1,758	1,642	1,507	1,380	1,252
Utah	139	123	113	117	106	122	104	82	128	154
Vermont	71	82	75	74	75	68	61	68	68	73
Virginia	388	501	483	540	581	558	572	559	539	623
Washington	542	639	446	559	505	494	501	480	461	436
West Virginia	131	144	136	156	145	153	159	168	158	158
Wisconsin	937	930	822	932	836	904	911	828	902	932
Wyoming	36	39	55	27	41	35	41	27	24	31
American Samoa	0	0	0	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0	0	0	0
Puerto Rico	71	99	180	310	301	417	434	442	543	492
Virgin Islands	0	0	0	0	0	0	0	0	0	0

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands

[2] Includes basic students only

Table 35

GRADUATIONS FROM ASSOCIATE DEGREE NURSING PROGRAMS, BY NLN REGION AND STATE: 1974-75 TO 1983-84[1]

NLN REGION AND STATE	NUMBER OF GRADUATIONS									
	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84
United States	**32,183**	**34,625**	**36,289**	**36,556**	**36,264**	**36,034**	**36,712**	**38,289**	**41,849**	**44,394**
North Atlantic	7,867	8,095	8,706	8,311	8,238	7,934	8,285	8,000	8,507	8,914
Midwest	8,401	8,724	9,172	9,444	9,529	9,667	9,843	10,549	11,580	12,612
South	10,214	11,593	11,911	12,327	11,903	11,671	11,632	11,970	13,488	15,034
West	5,701	6,213	6,500	6,474	6,594	6,762	6,952	7,770	8,274	7,834
Alabama	485	736	770	796	795	878	889	918	941	1,117
Alaska	25	21	26	25	28	31	19	36	42	22
Arizona	444	441	496	472	529	475	508	544	614	571
Arkansas	432	403	518	455	451	450	396	448	537	482
California	3,087	3,317	3,545	3,544	3,511	3,597	3,840	4,375	4,495	4,326
Colorado	289	242	290	287	281	302	299	343	338	367
Connecticut	249	303	391	358	441	382	358	381	333	338
Delaware	61	57	[illegible]	98	131	97	128	123	147	137
District of Columbia	37	117	84	79	40	31	65	51	57	69
Florida	1,687	1,718	1,700	1,806	1,835	1,795	1,998	2,082	2,346	2,648
Georgia	902	992	1,045	904	815	684	675	746	788	890
Hawaii	82	110	84	87	93	86	83	101	110	102
Idaho	205	204	215	209	206	196	188	216	252	261
Illinois	1,643	1,860	1,887	1,977	2,036	2,009	1,931	2,079	2,338	2,475
Indiana	1,029	1,012	953	1,067	993	993	1,006	1,017	1,143	1,116
Iowa	494	443	532	555	608	627	779	779	892	858
Kansas	220	218	270	320	312	333	362	426	438	568
Kentucky	771	820	902	881	892	905	894	882	994	1,087
Louisiana	212	505	261	430	368	292	367	306	378	344
Maine	92	102	148	156	185	156	150	136	242	219
Maryland	639	705	735	793	854	721	785	763	841	948
Massachusetts	893	940	1,010	1,026	1,052	1,008	1,049	881	1,037	1,042
Michigan	1,501	1,372	1,506	1,530	1,521	1,432	1,546	1,772	1,861	2,287
Minnesota	765	878	861	902	909	936	913	900	919	959
Mississippi	513	511	492	497	536	554	591	545	630	678
Missouri	629	671	691	647	664	657	633	597	705	757
Montana	58	56	50	71	59	51	54	67	85	90
Nebraska	144	160	208	226	227	218	238	284	294	265
Nevada	72	98	82	75	97	105	105	126	152	146
New Hampshire	45	41	79	79	75	75	81	80	94	177
New Jersey	1,041	1,064	1,075	1,058	986	1,038	1,140	987	909	1,084
New Mexico	181	234	240	247	255	337	246	282	310	301
New York	4,146	4,244	4,463	4,067	3,905	3,737	3,765	3,848	4,014	4,112
North Carolina	689	906	779	878	880	957	914	1,009	1,090	1,245
North Dakota	101	101	108	75	83	87	93	100	94	106
Ohio	1,400	1,521	1,555	1,539	1,570	1,670	1,629	1,789	1,958	2,116
Oklahoma	314	350	424	432	433	468	464	465	583	591
Oregon	306	360	403	395	449	464	479	494	573	458
Pennsylvania	968	881	1,010	1,056	1,098	1,101	1,248	1,242	1,405	1,432
Rhode Island	193	213	185	179	190	179	172	167	191	178
South Carolina	382	492	544	520	437	428	353	394	459	615
South Dakota	175	185	205	189	178	185	170	148	191	200
Tennessee	701	829	822	867	906	870	769	838	959	896
Texas	1,506	1,462	1,781	1,892	1,525	1,516	1,441	1,422	1,564	2,071
Utah	229	327	309	305	313	372	385	366	439	242
Vermont	142	133	138	155	135	130	129	104	109	126
Virginia	499	618	619	674	654	661	627	647	796	811
Washington	691	775	740	737	725	703	706	762	811	870
West Virginia	482	546	579	502	522	492	469	505	551	611
Wisconsin	300	303	396	417	428	520	543	658	747	905
Wyoming	32	28	20	20	48	43	40	58	53	78
American Samoa	0	0	0	0	0	0	0	0	0	32
Guam	20	10	17	50	38	16	16	17	11	11
Puerto Rico	403	449	504	449	445	449	440	451	502	635
Virgin Islands	16	10	5	14	16	10	15	13	10	8

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 36

GRADUATIONS FROM DIPLOMA NURSING PROGRAMS, BY NLN REGION AND STATE: 1974-75 TO 1983-84[1]

NLN REGION AND STATE	NUMBER OF GRADUATIONS									
	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84
United States	**21,562**	**19,861**	**18,014**	**17,131**	**15,820**	**14,495**	**12,903**	**11,682**	**11,704**	**12,200**
North Atlantic	9,164	8,539	7,468	6,830	6,055	5,247	4,825	4,213	4,087	4,426
Midwest	8,350	7,631	7,238	7,088	6,598	6,159	5,437	5,006	5,075	5,247
South	3,268	2,976	2,712	2,615	2,596	2,551	2,158	1,986	2,143	2,142
West	780	715	596	598	571	538	483	477	399	385
Alabama	325	240	154	158	115	121	89	111	131	95
Alaska	0	0	0	0	0	0	0	0	0	0
Arizona	0	0	0	0	0	0	0	0	0	0
Arkansas	0	0	0	0	58	72	66	51	69	92
California	399	426	275	255	287	303	323	342	274	239
Colorado	59	71	96	93	90	73	60	62	42	63
Connecticut	651	554	322	267	267	252	246	233	238	216
Delaware	139	139	79	83	82	99	55	58	64	79
District of Columbia	62	45	39	42	46	45	36	35	0	0
Florida	116	137	115	121	146	148	132	137	120	120
Georgia	297	287	343	311	309	229	180	147	130	76
Hawaii	0	0	0	0	0	0	0	0	0	0
Idaho	0	0	0	0	0	0	0	0	0	0
Illinois	1,639	1,480	1,516	1,387	1,340	1,203	1,059	950	959	916
Indiana	405	367	345	383	360	309	283	257	226	233
Iowa	465	486	466	478	467	469	395	379	393	393
Kansas	387	314	320	354	239	236	163	137	108	104
Kentucky	197	182	83	99	79	143	90	88	107	0
Louisiana	246	201	197	214	214	217	175	197	186	204
Maine	167	170	96	127	107	101	107	121	82	90
Maryland	276	233	201	190	177	168	137	154	157	192
Massachusetts	1,481	1,317	1,203	1,181	964	797	761	632	608	584
Michigan	984	779	675	758	675	606	448	429	423	330
Minnesota	490	481	354	270	238	241	210	193	215	184
Mississippi	44	41	48	57	62	37	9	28	26	25
Missouri	928	921	879	831	760	747	681	611	623	712
Montana	52	34	41	51	0	0	0	0	0	0
Nebraska	425	477	351	337	363	319	283	302	308	353
Nevada	0	0	0	0	0	0	0	0	0	0
New Hampshire	157	167	175	154	136	134	77	80	71	40
New Jersey	781	755	859	796	752	681	585	510	555	583
New Mexico	0	0	0	0	0	0	0	0	0	0
New York	2,429	2,436	1,954	1,599	1,338	1,029	899	739	709	859
North Carolina	322	287	248	235	220	216	215	171	189	192
North Dakota	215	138	150	154	137	121	132	132	113	150
Ohio	1,844	1,639	1,614	1,602	1,472	1,374	1,338	1,235	1,367	1,499
Oklahoma	150	120	49	51	28	23	34	23	41	0
Oregon	183	96	96	102	101	98	100	73	83	83
Pennsylvania	3,230	2,894	2,669	2,515	2,292	2,055	2,013	1,761	1,723	1,910
Rhode Island	67	62	72	66	71	54	46	44	37	65
South Carolina	30	27	22	22	19	24	17	12	14	29
South Dakota	115	103	113	89	81	91	80	56	59	66
Tennessee	308	314	345	316	384	366	297	290	385	454
Texas	297	323	317	277	278	279	256	185	224	201
Utah	0	0	0	0	0	0	0	0	0	0
Vermont	0	0	0	0	0	0	0	0	0	0
Virginia	503	473	490	459	423	408	357	295	277	342
Washington	87	88	88	97	93	64	0	0	0	0
West Virginia	157	111	100	105	84	100	104	97	87	120
Wisconsin	453	446	455	445	466	443	365	325	281	317
Wyoming	0	0	0	0	0	0	0	0	0	0
American Samoa	0	0	0	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0	0	0	0
Puerto Rico	111	0	0	0	0	0	0	0	0	0
Virgin Islands	0	0	0	0	0	0	0	0	0	0

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 37

GRADUATIONS FROM ACCREDITED AND NON-ACCREDITED PROGRAMS, BY NLN REGION AND STATE AND TYPE OF PROGRAM[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS	NUMBER OF GRADUATIONS											
		ALL BASIC RN PROGRAMS			BACCALAUREATE PROGRAMS			ASSOCIATE DEGREE PROGRAMS			DIPLOMA PROGRAMS		
		Total	Accredited	Not Accredited	Total	Accredited	Not Accredited	Total	Accredited	Not Accredited	Total	Accredited	Not Accredited
United States	**1,477**	**80,312**	**65,311**	**15,001**	**23,718**	**23,194**	**524**	**44,394**	**30,266**	**14,128**	**12,200**	**11,851**	**349**
North Atlantic	357	19,897	17,987	1,910	6,557	6,467	90	8,914	7,291	1,623	4,426	4,229	197
Midwest	431	25,041	20,426	4,615	7,182	6,934	248	12,612	8,245	4,367	5,247	5,247	0
South	484	24,308	19,530	4,778	7,132	6,998	134	15,034	10,542	4,492	2,142	1,990	152
West	205	11,066	7,368	3,698	2,847	2,795	52	7,834	4,188	3,646	385	385	0
Alabama	37	2,037	1,940	97	825	825	0	1,117	1,020	97	95	95	0
Alaska	2	56	56	0	34	34	0	22	22	0	0	0	0
Arizona	16	821	801	20	250	250	0	571	551	20	0	0	0
Arkansas	20	809	682	127	235	235	0	482	379	103	92	68	24
California	93	5,718	3,140	2,578	1,153	1,111	42	4,326	1,790	2,536	239	239	0
Colorado	12	674	452	222	244	244	0	367	145	222	63	63	0
Connecticut	18	846	846	0	292	292	0	338	338	0	216	216	0
Delaware	7	377	258	119	161	152	9	137	92	45	79	14	65
District of Columbia	6	312	312	0	243	243	0	69	69	0	0	0	0
Florida	40	3,342	2,225	1,117	574	541	33	2,648	1,564	1,084	120	120	0
Georgia	34	1,361	1,361	0	395	395	0	890	890	0	76	76	0
Hawaii	6	154	114	40	52	52	0	102	62	40	0	0	0
Idaho	6	298	298	0	37	37	0	261	261	0	0	0	0
Illinois	78	4,513	3,764	749	1,122	1,111	11	2,475	1,737	738	916	916	0
Indiana	37	1,979	1,773	206	630	601	29	1,116	939	177	233	233	0
Iowa	39	1,649	756	893	398	363	35	858	0	858	393	393	0
Kansas	30	1,071	933	138	399	399	0	568	430	138	104	104	0
Kentucky	28	1,304	920	384	217	217	0	1,087	703	384	0	0	0
Louisiana	22	956	926	30	408	408	0	344	314	30	204	204	0
Maine	12	422	351	71	113	113	0	219	148	71	90	90	0
Maryland	25	1,576	1,240	336	436	436	0	948	637	311	192	167	25
Massachusetts	48	2,584	2,493	91	958	958	0	1,042	951	91	584	584	0
Michigan	51	3,557	2,036	1,541	960	914	46	2,287	792	1,495	330	330	0
Minnesota	25	1,741	1,622	119	598	598	0	959	840	119	184	184	0
Mississippi	22	1,027	796	231	324	324	0	678	472	206	25	0	25
Missouri	39	1,933	1,548	385	464	337	127	757	499	258	712	712	0
Montana	4	254	164	90	164	164	0	90	0	90	0	0	0
Nebraska	11	825	825	0	207	207	0	265	265	0	353	353	0
Nevada	5	187	135	52	41	41	0	146	94	52	0	0	0
New Hampshire	11	333	267	66	116	116	0	177	111	66	40	40	0
New Jersey	39	2,044	1,945	99	377	377	0	1,084	985	99	583	583	0
New Mexico	11	382	231	151	81	81	0	301	150	151	0	0	0
New York	106	7,294	6,504	790	2,323	2,323	0	4,112	3,454	658	859	727	132
North Carolina	57	2,048	906	1,142	611	611	0	1,245	138	1,107	192	157	35
North Dakota	9	490	490	0	234	234	0	106	106	0	150	150	0
Ohio	71	4,659	4,262	397	1,054	1,054	0	2,116	1,719	397	1,489	1,489	0
Oklahoma	27	902	750	152	311	292	19	591	458	133	0	0	0
Oregon	18	711	516	195	170	160	10	458	273	185	83	83	0
Pennsylvania	98	4,982	4,324	658	1,640	1,559	81	1,432	855	577	1,910	1,910	0
Rhode Island	7	504	504	0	261	261	0	178	178	0	65	65	0
South Carolina	19	927	622	305	283	244	39	615	378	237	29	0	29
South Dakota	9	450	429	21	184	184	0	200	179	21	66	66	0
Tennessee	33	1,830	1,633	197	480	465	15	896	714	182	454	454	0
Texas	64	3,524	3,160	364	1,252	1,252	0	2,071	1,707	364	201	201	0
Utah	4	396	396	0	154	154	0	242	242	0	0	0	0
Vermont	5	199	183	16	73	73	0	126	110	16	0	0	0
Virginia	37	1,776	1,634	142	623	595	28	811	711	100	342	328	14
Washington	23	1,306	998	308	436	436	0	870	562	308	0	0	0
West Virginia	18	889	735	154	158	158	0	611	457	154	120	120	0
Wisconsin	33	2,154	1,988	166	932	932	0	905	739	166	317	317	0
Wyoming	5	109	67	42	31	31	0	78	36	42	0	0	0
American Samoa	1	32	—	32	0	0	0	32	0	32	0	0	0
Guam	1	11	—	11	0	0	0	11	0	11	0	0	0
Puerto Rico	19	1,127	560	567	492	133	359	635	427	208	0	0	0
Virgin Islands	2	8	8	—	—	—	—	9	8	0	0	0	0

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Graduations of RNs from Baccalaureate Nursing Programs (Tables 38-40)

- The total number of RNs to graduate from baccalaureate programs increased to 10,085 in 1983-84—a 13.4 percent increase over the previous year. Graduates from generic baccalaureate programs constitute 62 percent (6,275) of the returning RN group; RNs in special BRN programs represent 38 percent (3,810) of the RN group (see Table 30)

- Although the number of basic students graduating from generic baccalaureate programs decreased less than 1 percent in 1983-84, the number of RNs graduating from generic programs grew 11 percent, and the number of RNs graduating from BRN programs jumped almost 18 percent (see Table 38).

- The combined total of both basic and RN baccalaureate graduates rose to 33,803—a 3.2 percent increase from 1982-83. The returning RN represented 30 percent of total BSN graduations (see Table 38).

- Over the past ten years, the number of basic students graduating from baccalaureate programs increased almost 18 percent. The number of RNs graduating from generic BSN programs almost doubled in that time, while graduations from special BRN programs jumped a staggering 537 percent in the last decade. The overall increase in baccalaureate graduations registered at 41 percent in the last ten years (see Table 38).

- The North Atlantic contains the largest group of RN graduates from baccalaureate programs, with over 31 percent of the total. The South reported almost 19 percent of returning RN graduates; the Midwest, nearly 25 percent; and the West, almost 15 percent (see Table 39).

- Fifty-two percent of the 1983-84 RN graduates from baccalaureate programs previously held the associate degree.

- A look at the five-year trend for returning RNs indicates that the proportion of RNs who previously held diplomas is decreasing slightly, while the proportion of RNs who already had an associate degree is increasing slightly (see Table 39).

- The total number of RNs to graduate from baccalaureate programs increased from 7,318 in 1979-80 to 10,085 in 1983-84—a 38 percent increase over the past five years. The number of RNs who previously held diplomas increased almost 32 percent during this period, while the number of RNs who had previously obtained an associate degree grew 44 percent (see Table 40).

- Regional breakdowns indicate that the number of RNs to graduate from baccalaureate programs jumped 27 percent in the South over the previous year. The North Atlantic reported an increase of almost 15 percent in the number of RNs to graduate from BSN programs during this time. The West reported a 12 percent increase, and the Midwest, 1 percent (see Table 40).

Table 38

BASIC AND RN STUDENT GRADUATIONS FROM BACCALAUREATE NURSING PROGRAMS: 1974-75 TO 1983-84[1]

YEAR	GRADUATIONS FROM BACCALAUREATE NURSING PROGRAMS			
	Total Graduations	Generic Programs		BRN* Programs
		Basic Students	RN Students	RN Students
1974-75	23,933	20,170	3,165	598
1975-76	27,316	22,579	3,374	1,363
1976-77	28,872	23,452	3,001	1,919
1977-78	30,309	24,187	3,774	2,348
1978-79	31,462	25,048	4,034	2,380
1979-80	32,312	24,994	4,477	2,841
1980-81	32,608	24,370	4,872	3,366
1981-82	33,252	24,081	5,748	3,423
1982-83	32,748	23,855	5,654	3,239
1983-84	33,803	23,718	6,275	3,810

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

* BRN programs are baccalaureate programs that admit only RNs.

Table 39

GRADUATIONS OF REGISTERED NURSES FROM BACCALAUREATE NURSING PROGRAMS, BY PREVIOUS BASIC NURSING EDUCATION AND REGION: 1979-80 TO 1983-84[1]

YEAR AND REGION	BACCALAUREATE PROGRAMS REPORTING RN GRADUATIONS	PREVIOUS NURSING CREDENTIAL[2]		
		Total	Diploma	Associate Degree
1979-80 (Total)	**365**	**7,318**	**3,694**	**3,624**
North Atlantic	100	2,411	1,361	1,050
Midwest	102	2,022	1,137	885
South	111	1,735	773	962
West	52	1,150	423	727
1980-81 (Total)	**348**	**8,195**	**4,172**	**4,023**
North Atlantic	98	2,470	1,446	1,024
Midwest	106	2,374	1,267	1,107
South	99	2,248	1,013	1,235
West	45	1,103	446	657
1981-82 (Total)	**417**	**9,171**	**4,481**	**4,690**
North Atlantic	112	2,995	1,778	1,217
Midwest	116	2,397	1,320	1,077
South	128	2,437	968	1,469
West	61	1,342	415	927
1982-83 (Total)	**449**	**8,893**	**4,308**	**4,585**
North Atlantic	120	2,741	1,632	1,109
Midwest	129	2,552	1,328	1,224
South	137	2,277	950	1,327
West	63	1,323	398	925
1983-84 (Total)	**549**	**10,085**	**4,874**	**5,211**
North Atlantic	147	3,143	1,661	1,482
Midwest	162	2,575	1,493	1,082
South	168	2,888	1,297	1,591
West	72	1,479	423	1,056

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Includes RNs in basic programs, RNs in BRN programs, and basic BSN students.

Table 40

TOTAL GRADUATIONS FROM BACCALAUREATE NURSING PROGRAMS, BY NLN REGION AND STATE: 1980 TO 1984[1]

NLN REGION AND STATE	GRADUATIONS IN BACCALAUREATE NURSING PROGRAMS [2]									
	1980		1981		1982		1983		1984	
	Total	RNs Only	Total	RNs Only	Total	RNs Only	Total	RNs Only	Total	RNs Only
United States	**32,312**	**7,318**	**32,394**	**8,195**	**33,252**	**9,171**	**32,748**	**8,893**	**33,803**	**10,085**
North Atlantic	9,542	2,411	9,678	2,470	10,197	2,995	9,417	2,741	9,700	3,143
Midwest	9,261	2,022	9,617	2,374	9,350	2,397	9,866	2,552	9,757	2,575
South	9,002	1,735	9,163	2,248	9,395	2,437	9,264	2,277	10,020	2,888
West	4,507	1,150	3,936	1,103	4,310	1,342	4,201	1,323	4,326	1,479
Alabama	752	123	779	167	760	143	873	167	1,019	194
Alaska	38	12	28	10	48	13	52	16	39	5
Arizona	361	57	315	47	340	62	339	84	392	142
Arkansas	194	25	172	23	167	12	187	24	276	41
California	1,831	554	1,660	532	1,929	685	1,909	720	1,768	615
Colorado	584	187	405	156	403	134	361	134	410	166
Connecticut	459	93	454	82	423	94	514	171	416	124
Delaware	198	10	156	7	202	12	197	13	1,173	12
District of Columbia	309	43	330	40	300	42	272	45	303	60
Florida	634	190	746	227	674	195	654	203	915	341
Georgia	566	167	421	119	478	131	526	134	548	153
Hawaii	84	12	93	13	100	36	97	27	115	63
Idaho	104	14	60	11	68	24	69	26	60	23
Illinois	1,355	286	1,584	377	1,420	365	1,625	443	1,536	414
Indiana	921	217	900	267	961	288	1,120	349	838	208
Iowa	597	123	749	303	609	158	550	133	537	139
Kansas	464	65	499	75	497	76	557	74	474	75
Kentucky	372	138	360	166	501	314	384	195	438	221
Louisiana	483	27	411	25	495	43	445	52	461	53
Maine	146	8	142	16	138	14	134	12	136	23
Maryland	559	132	549	177	633	215	647	204	651	215
Massachusetts	1,194	330	1,265	400	1,419	463	1,350	383	1,405	447
Michigan	1,169	244	1,206	263	1,227	310	1,287	342	1,259	299
Minnesota	731	103	708	95	693	77	704	116	752	154
Mississippi	344	47	330	59	474	188	409	116	454	130
Missouri	664	257	709	296	768	294	772	292	801	337
Montana	173	15	160	9	150	20	138	11	176	12
Nebraska	286	110	273	95	304	102	337	157	333	126
Nevada	68	14	45	10	68	27	61	27	62	21
New Hampshire	130	23	162	42	155	35	188	61	148	32
New Jersey	744	219	749	214	793	256	819	269	714	337
New Mexico	122	21	91	22	88	15	86	12	113	32
New York	4,094	1,218	4,024	1,147	4,113	1,400	3,555	1,167	3,605	1,282
North Carolina	885	137	898	89	862	110	823	156	816	205
North Dakota	257	20	216	6	234	28	211	20	249	15
Ohio	1,488	364	1,672	578	1,303	391	1,364	372	1,577	523
Oklahoma	377	21	377	34	374	43	359	53	376	65
Oregon	279	52	226	86	274	73	259	49	230	60
Pennsylvania	1,842	362	1,978	411	1,089	504	2,198	523	2,355	715
Rhode Island	335	82	323	77	397	75	314	62	349	88
South Carolina	293	71	315	99	347	78	328	96	385	102
South Dakota	201	9	192	21	229	31	197	14	210	26
Tennessee	533	116	598	229	602	171	559	111	623	143
Texas	2,078	320	2,016	374	1,973	466	1,811	431	1,887	635
Utah	218	96	170	66	180	98	208	80	367	213
Vermont	72	4	76	15	168	100	103	35	96	23
Virginia	706	150	749	177	802	243	771	232	856	233
Washington	608	114	639	138	621	141	593	132	559	123
West Virginia	224	71	262	103	253	85	261	103	315	157
Wisconsin	1,147	243	1,108	197	1,105	277	1,142	240	1,191	259
Wyoming	37	2	44	3	41	14	29	5	35	4
American Samoa	0	0	0	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0	0	0	0
Puerto Rico	464	47	612	178	615	173	755	212	674	182
Virgin Islands	0	0	0	0	0	0	0	0	0	0

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Totals include RNs in basic programs, RNs in BRN programs, and basic BSN students.

MEN AND MINORITY STUDENTS

- Ninety-one percent (1,348) of all basic RN programs reported data on men and minority students. According to region, the response rate to this section of the questionnaire was 93 percent for the Midwest and South, 91 percent for the North Atlantic, and 85 percent for the West.

- By program type, the response rate for the section on men and minority students was 95 percent for baccalaureate programs, 89 percent for associate degree programs, and 91 percent for diploma programs.

Admissions of Men and Minority Students (Tables 41-45)

- The number of men admitted to basic RN programs stood at 7,971, or 7.0 percent of total admissions in 1983-84. Among regions, the West had the highest proportion of men, 8.8 percent of their annual admissions. All other regions reported that approximately 6.8 percent of their annual admissions were men (see Table 41).

- Blacks constituted 8.1 percent of total annual admissions to basic RN programs in 1983-84. Programs in the South admitted the highest proportion of black students, 12.5 percent. The North Atlantic reported an admission rate for blacks of 8.1 percent; the Midwest, 5.1 percent; and the West, 4.6 percent (see Table 41).

- Hispanic students represented 2.5 percent of the total annual admissions to basic RN programs. The West reported that 6.3 percent of admissions were Hispanic; the South reported 2.6 percent; the North Atlantic, 1.8 percent; and Midwest, 1.4 percent (see Table 41).

- Asian students constituted 1.7 percent of annual admission to basic RN programs in 1983-84. Although the West reported that 6.7 percent of their admissions were Asian, Asian students made up only about 1 percent of the annual admissions in each of the other regions (see Table 41).

- American Indians made up less than 1 percent of all admissions to basic RN programs (see Tables 41 and 45).

- The West reported the highest percentage of Hispanic admissions across all program types. The South reported the most black students admitted (see Table 41).

- Since 1978, when data on men and minority students was first reported the proportion of each of these groups admitted to basic RN programs has fluctuated. The actual number of male and minority students may have increased from 1981; however, in most cases the proportions have decreased (see Table 45).

Table 41

ADMISSIONS OF MEN AND MINORITY STUDENTS TO ALL BASIC RN PROGRAMS, BY NLN REGIONS AND STATES: 1983-84[1, 2]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL RN ADMISSIONS	NUMBER OF ADMISSIONS				
			Males	Blacks	Hispanic	Asian	American Indian
United States	**1,348**	**113,303**	**7,971**	**9,226**	**2,877**	**1,911**	**633**
North Atlantic	324	28,862	1,968	2,336	520	309	80
Midwestern	401	33,564	2,241	1,707	479	292	145
Southern	448	36,177	2,475	4,511	955	326	247
Western	175	14,700	1,287	672	923	984	161
Alabama	36	3,139	282	632	5	13	2
Alaska	2	135	8	4	2	4	8
Arizona	14	1,338	145	19	83	20	40
Arkansas	20	1,312	104	97	3	9	8
California	74	6,544	556	575	626	699	40
Colorado	11	785	65	17	46	10	4
Connecticut	15	1,225	70	70	32	8	—
Delaware	6	501	11	38	2	1	—
District of Columbia	5	399	9	51	1	15	—
Florida	38	4,110	356	533	311	81	1
Georgia	33	2,268	138	330	9	21	1
Hawaii	6	240	10	1	6	138	1
Idaho	6	342	39	1	1	1	1
Illinois	70	6,235	352	584	116	139	15
Indiana	35	3,157	127	85	215	15	—
Iowa	34	2,034	199	47	7	18	7
Kansas	29	1,697	116	49	24	12	8
Kentucky	23	1,735	67	106	2	20	—
Louisiana	20	2,086	162	482	19	9	3
Maine	8	544	45	1	—	—	—
Maryland	22	1,986	139	415	23	31	1
Massachusetts	43	3,402	213	115	34	16	4
Michigan	47	4,075	229	195	32	26	17
Minnesota	25	2,222	250	40	15	15	27
Mississippi	18	1,438	119	281	2	5	1
Missouri	35	2,561	183	148	9	8	6
Montana	3	377	7	—	—	—	7
Nebraska	10	836	56	114	20	7	—
Nevada	4	267	32	3	8	9	3
New Hampshire	11	586	21	3	—	—	—
New Jersey	34	3,134	192	404	124	90	2
New Mexico	11	614	84	19	97	13	31
New York	98	10,973	1,009	1,374	294	134	41
North Carolina	51	3,072	105	299	5	12	117
North Dakota	8	508	29	—	3	—	8
Ohio	68	6,767	441	355	25	29	8
Oklahoma	26	1,365	114	62	7	12	98
Oregon	15	1,113	103	6	16	17	8
Pennsylvania	95	7,004	320	273	29	40	33
Rhode Island	5	826	66	5	2	5	—
South Carolina	17	1,335	47	112	125	7	—
South Dakota	9	718	47	2	1	5	21
Tennessee	33	2,974	252	278	6	13	—
Texas	57	5,015	442	686	421	65	14
Utah	4	652	38	2	9	5	5
Vermont	4	268	12	2	2	—	—
Virginia	34	2,708	78	183	13	31	1
Washington	22	2,113	173	23	24	68	10
West Virginia	18	1,634	70	15	4	2	—
Wisconsin	31	2,754	212	88	12	13	28
Wyoming	5	180	27	2	5	—	3
American Samoa	1	—	4	1	—	33	—
Guam	1	39	—	—	—	—	—
Puerto Rico	17	1,540	359	7	1,506	—	—
Virgin Islands	2	31	—	24	—	—	—

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Figures represent only those programs responding to this section of the questionnaire.

Table 42

ADMISSIONS OF MEN AND MINORITY STUDENTS TO BACCALAUREATE PROGRAMS, BY NLN REGION AND STATE: 1983-84[1, 2]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL BACCALAUREATE ADMISSIONS	NUMBER OF ADMISSIONS				
			Males	Blacks	Hispanic	Asian	American Indian
United States	**404**	**37,323**	**2,384**	**3,521**	**893**	**914**	**156**
North Atlantic	101	9,858	601	670	139	142	14
Midwestern	117	10,450	547	552	80	112	43
Southern	139	11,945	757	2,065	277	133	24
Western	47	5,070	479	234	397	527	75
Alabama	13	1,437	108	358	1	9	—
Alaska	1	95	7	3	1	3	7
Arizona	4	719	7	10	28	16	25
Arkansas	7	292	17	22	—	1	—
California	19	2,038	227	200	288	406	6
Colorado	2	171	16	5	8	7	2
Connecticut	6	501	13	22	7	6	—
Delaware	2	262	3	34	1	—	—
District of Columbia	4	277	9	50	1	15	—
Florida	12	867	76	182	110	15	—
Georgia	13	753	43	147	4	10	—
Hawaii	2	73	5	1	5	48	1
Idaho	1	52	11	—	—	1	—
Illinois	19	1,548	67	227	21	41	7
Indiana	12	1,470	38	19	1	2	—
Iowa	10	569	30	9	3	6	—
Kansas	9	596	51	22	12	9	5
Kentucky	6	504	14	83	1	17	—
Louisiana	10	1,007	70	253	8	3	1
Maine	3	275	27	—	—	—	—
Maryland	5	552	49	157	12	17	—
Massachusetts	14	1,345	88	30	9	7	2
Michigan	13	1,287	74	54	12	14	6
Minnesota	10	639	51	4	1	3	5
Mississippi	7	631	54	139	1	3	1
Missouri	8	639	21	6	1	1	1
Montana	2	280	7	—	—	—	7
Nebraska	3	168	7	104	14	4	—
Nevada	1	67	20	2	6	8	2
New Hampshire	3	165	—	—	—	—	—
New Jersey	5	462	21	144	48	42	1
New Mexico	1	134	34	5	39	6	14
New York	31	3,434	263	280	58	44	10
North Carolina	9	748	23	112	2	5	5
North Dakota	4	227	24	—	2	—	7
Ohio	14	1,686	112	80	9	15	3
Oklahoma	11	560	34	17	2	5	13
Oregon	4	413	25	1	6	10	1
Pennsylvania	29	2,317	112	107	12	26	1
Rhode Island	3	719	64	2	2	2	—
South Carolina	4	592	17	27	2	5	—
South Dakota	3	329	11	1	—	2	4
Tennessee	9	801	30	64	—	5	—
Texas	19	1,686	187	470	131	33	4
Utah	3	254	16	—	6	4	5
Vermont	1	101	1	1	1	—	—
Virginia	9	985	23	32	2	9	—
Washington	6	729	31	5	7	18	4
West Virginia	5	530	12	2	1	1	—
Wisconsin	12	1,292	61	26	4	10	5
Wyoming	1	45	9	2	3	—	1
American Samoa	—	—	—	—	—	—	—
Guam	—	—	—	—	—	—	—
Puerto Rico	10	965	247	7	958	1	—
Virgin Islands	1	6	—	9	—	—	—

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Figures represent only those programs responding to this section of the questionnaire.

Table 43

ADMISSIONS OF MEN AND MINORITY STUDENTS TO ASSOCIATE DEGREE PROGRAMS, BY NLN REGION AND STATE: 1983-84[1, 2]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL ASSOCIATE DEGREE ADMISSIONS	NUMBER OF ADMISSIONS				
			Males	Blacks	Hispanic	Asian	American Indian
United States	**695**	**58,740**	**4,712**	**4,784**	**1,702**	**836**	**457**
North Atlantic	123	12,716	1,171	1,304	281	114	62
Midwestern	186	15,845	1,243	948	346	113	88
Southern	262	20,933	1,521	2,115	601	173	221
Western	124	9,246	777	417	474	436	86
Alabama	20	1,535	159	257	3	4	2
Alaska	1	40	1	1	1	1	1
Arizona	10	619	74	9	55	4	15
Arkansas	11	811	70	50	3	8	8
California	53	4,231	312	359	297	273	34
Colorado	7	505	35	7	27	2	2
Connecticut	4	377	43	37	20	1	—
Delaware	3	216	7	4	—	1	—
District of Columbia	1	122	—	1	—	—	—
Florida	25	3,083	270	310	161	64	1
Georgia	18	1,313	89	170	4	10	1
Hawaii	4	167	5	—	1	90	—
Idaho	5	290	28	1	1	—	1
Illinois	32	3,382	221	297	63	48	5
Indiana	17	1,235	63	64	214	10	—
Iowa	15	878	141	37	2	11	4
Kansas	17	890	50	25	11	3	3
Kentucky	17	1,231	53	23	1	3	—
Louisiana	6	742	68	168	5	4	1
Maine	4	220	16	1	—	—	—
Maryland	13	1,207	81	229	8	13	1
Massachusetts	17	1,357	85	72	17	4	1
Michigan	28	2,469	133	126	17	10	9
Minnesota	12	1,364	185	36	14	12	21
Mississippi	10	768	62	132	1	2	—
Missouri	17	917	93	103	3	4	4
Montana	1	97	—	—	—	—	—
Nebraska	2	237	29	9	4	1	1
Nevada	3	200	12	1	2	1	1
New Hampshire	6	343	15	3	—	—	—
New Jersey	14	1,534	120	81	21	14	1
New Mexico	10	480	50	14	58	7	17
New York	50	6,471	668	1,022	213	85	30
North Carolina	36	1,992	77	173	3	5	112
North Dakota	2	155	5	—	1	—	1
Ohio	26	2,946	181	217	10	12	5
Oklahoma	15	805	80	45	5	7	85
Oregon	11	700	78	5	10	7	7
Pennsylvania	21	1,909	206	82	9	9	30
Rhode Island	—	—	—	—	—	—	—
South Carolina	12	707	28	80	123	2	—
South Dakota	4	277	21	—	1	2	13
Tennessee	17	1,451	160	151	5	6	—
Texas	36	3,175	238	207	271	30	9
Utah	1	398	22	2	3	1	—
Vermont	3	167	11	1	1	—	—
Virginia	13	1,146	42	110	7	15	1
Washington	16	1,384	142	18	17	50	6
West Virginia	11	967	44	10	1	—	—
Wisconsin	14	1,095	121	34	6	—	23
Wyoming	4	135	18	—	2	—	2
American Samoa	1	—	4	1	—	33	—
Guam	1	39	—	—	—	—	—
Puerto Rico	7	575	112	—	548	—	—
Virgin Islands	1	25	—	15	—	—	—

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Figures represent only those programs responding to this section of the questionnaire.

Table 44

ADMISSIONS OF MEN AND MINORITY STUDENTS TO DIPLOMA PROGRAMS, BY NLN REGION AND STATE: 1983-84[1, 2]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL DIPLOMA ADMISSIONS	NUMBER OF ADMISSIONS				
			Males	Blacks	Hispanic	Asian	American Indian
United States	**249**	**17,240**	**875**	**921**	**282**	**161**	**29**
North Atlantic	100	6,288	196	362	100	53	4
Midwestern	98	7,269	451	207	53	67	14
Southern	47	3,299	197	331	77	20	2
Western	4	384	31	21	52	21	—
Alabama	3	167	15	17	1	—	—
Alaska	—	—	—	—	—	—	—
Arizona	—	—	—	—	—	—	—
Arkansas	2	209	17	25	—	—	—
California	2	275	17	16	41	20	—
Colorado	2	109	14	5	11	1	—
Connecticut	5	347	14	11	5	1	—
Delaware	1	23	1	—	1	—	—
District of Columbia	—	—	—	—	—	—	—
Florida	1	160	10	41	40	2	—
Georgia	2	202	6	13	1	1	—
Hawaii	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—
Illinois	19	1,305	54	60	32	50	3
Indiana	6	452	26	2	—	3	—
Iowa	9	587	28	1	2	1	3
Kansas	3	211	15	2	1	—	—
Kentucky	—	—	—	—	—	—	—
Louisiana	4	337	24	51	6	2	1
Maine	1	49	2	—	—	—	—
Maryland	4	227	9	29	3	1	—
Massachusetts	12	700	40	13	8	5	1
Michigan	6	319	22	15	3	2	2
Minnesota	3	219	14	—	—	—	1
Mississippi	1	39	3	10	—	—	—
Missouri	10	1,005	69	39	5	3	1
Montana	—	—	—	—	—	—	—
Nebraska	5	431	20	1	2	2	—
Nevada	—	—	—	—	—	—	—
New Hampshire	2	78	6	—	—	—	—
New Jersey	15	1,138	31	179	55	34	—
New Mexico	—	—	—	—	—	—	—
New York	17	1,068	78	72	23	5	1
North Carolina	6	332	3	14	—	2	—
North Dakota	2	126	—	—	—	—	—
Ohio	28	2,135	148	58	6	2	—
Oklahoma	—	—	—	—	—	—	—
Oregon	—	—	—	—	—	—	—
Pennsylvania	45	2,778	2	84	8	5	2
Rhode Island	2	107	2	3	—	3	—
South Carolina	1	36	2	5	—	—	—
South Dakota	2	112	15	1	—	1	4
Tennessee	7	722	52	63	1	2	—
Texas	2	154	17	9	19	2	1
Utah	—	—	—	—	—	—	—
Vermont	—	—	—	—	—	—	—
Virginia	12	577	13	41	4	7	—
Washington	—	—	—	—	—	—	—
West Virginia	2	137	14	3	2	1	—
Wisconsin	5	367	30	28	2	3	—
Wyoming	1	—	—	—	—	—	—
American Samoa	—	—	—	—	—	—	—
Guam	—	—	—	—	—	—	—
Puerto Rico	—	—	—	—	—	—	—
Virgin Islands	—	—	—	—	—	—	—

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Figures represent only those programs responding to this section of the questionnaire.

Table 45
TRENDS IN ADMISSIONS OF MEN AND MINORITY STUDENTS IN BASIC RN PROGRAMS, 1978 TO 1984[1]

YEAR	NUMBER OF PROGRAMS REPORTING	MEN		BLACKS		HISPANIC		ASIAN		AMERICAN INDIAN	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
ALL REPORTING RN PROGRAMS											
1978	1,202	6,359	6.3	7,295	7.3	1,664	1.7	1,352	1.3	*	*
1981	1,276	6,498	7.3	8,531	9.5	2,312	3.0	1,732	2.2	*	*
1984	1,348	7,971	7.0	9,226	8.1	2,877	2.5	1,911	1.7	633	0.6
BACCALAUREATE PROGRAMS											
1978	320	2,199	6.2	2,900	8.2	450	1.3	491	1.4	*	*
1981	333	1,959	7.3	2,797	10.2	480	3.0	780	3.1	*	*
1984	404	2,384	6.4	3,521	9.4	893	2.4	914	2.4	156	0.4
ASSOCIATE DEGREE PROGRAMS											
1978	571	3,133	6.8	3,569	7.7	982	2.1	590	1.3	*	*
1981	654	3,677	7.9	4,663	10.0	1,336	3.3	833	2.1	*	*
1984	695	4,712	8.0	4,784	8.1	1,702	2.9	836	1.4	457	0.8
DIPLOMA PROGRAMS											
1978	311	1,027	5.3	828	4.3	232	1.2	271	1.4	*	*
1981	289	862	5.6	1,072	6.9	225	1.7	119	0.9	*	*
1984	249	875	5.1	921	5.3	282	1.6	161	0.9	20	0.1

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

* "American Indian/Oriental" was one category before 1984.

Enrollments of Men and Minority Students (Tables 46-50)

- The patterns of enrollments of male and minority students in basic RN programs are similar to those found in admissions. The West reported the greatest proportion of male (8.6%), Hispanic (5.8%), Asian (6.3%), and American Indian (1.1%) students enrolled, making it the most diverse region in overall enrollment. The South reports the largest percentage of black students—almost 11 percent of the region's total enrollments (see Table 46).

- Examination of trends in enrollment of men and minorities from 1978 to 1984 indicates that the percentage of men in all program types has increased over this period and has now reached a total of 13,652 or 6.2 percent of all enrollments (see Table 50).

- The overall proportion of black students enrolled in basic RN programs has fluctuated since 1978. Only baccalaureate programs have reported consistent increases in numbers and percentages of black students over the past six years (see Table 50).

- Associate degree programs have reported the largest proportion of both male and Asian students between 1978 and 1984. Baccalaureate programs have reported the greatest number of blacks during this period (see Table 50).

Table 46
ENROLLMENTS OF MEN AND MINORITY STUDENTS IN ALL BASIC RN PROGRAMS, BY NLN REGION AND STATE: 1983-84[1, 2]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL RN ENROLLMENTS	NUMBER OF ENROLLMENTS				
			Males	Blacks	Hispanic[3]	Asian[3]	American Indian
United States	**1,348**	**221,405**	**13,652**	**15,363**	**4,410**	**3,370**	**880**
North Atlantic	324	65,308	3,940	4,632	938	651	97
Midwestern	401	66,158	3,560	2,827	474	474	171
Southern	448	63,910	3,905	6,842	1,478	521	320
Western	175	26,019	2,247	1,062	1,503	1,724	292
Alabama	36	5,703	490	996	8	26	8
Alaska	2	377	36	21	10	9	18
Arizona	14	2,127	150	29	95	20	47
Arkansas	20	2,090	141	146	1	12	4
California	74	12,051	1,151	920	1,071	1,321	68
Colorado	11	1,333	91	17	67	16	6
Connecticut	15	3,019	147	150	57	11	—
Delaware	6	1,207	14	80	1	3	2
District of Columbia	5	1,195	35	423	8	66	2
Florida	38	6,610	462	526	415	92	9
Georgia	33	3,719	221	581	9	17	4
Hawaii	6	508	24	3	13	155	2
Idaho	6	604	46	2	6	3	1
Illinois	70	11,143	494	947	193	238	12
Indiana	35	6,411	247	104	15	12	2
Iowa	34	3,830	254	63	28	22	5
Kansas	29	2,707	155	83	43	22	14
Kentucky	23	3,054	124	123	4	23	3
Louisiana	20	4,656	361	1,018	35	20	2
Maine	8	931	66	1	—	—	—
Maryland	22	3,563	175	687	24	42	1
Massachusetts	43	8,597	375	292	85	46	8
Michigan	47	8,176	435	236	64	26	21
Minnesota	25	3,862	221	13	4	23	14
Mississippi	18	2,585	177	441	6	9	1
Missouri	35	4,978	295	194	20	16	9
Montana	3	996	83	1	3	2	19
Nebraska	10	1,882	102	50	17	16	4
Nevada	4	642	44	2	11	7	4
New Hampshire	11	1,211	36	4	—	2	1
New Jersey	34	6,545	250	645	204	141	2
New Mexico	11	1,052	95	15	162	14	81
New York	98	23,733	1,842	2,336	495	265	76
North Carolina	51	5,084	158	356	3	15	118
North Dakota	8	1,086	64	2	3	3	15
Ohio	68	13,552	801	436	34	56	12
Oklahoma	26	2,334	137	89	18	23	143
Oregon	15	1,859	156	5	18	31	16
Pennsylvania	95	16,580	1,036	683	80	106	7
Rhode Island	5	1,730	121	16	6	8	4
South Carolina	17	2,669	86	288	255	21	2
South Dakota	9	1,489	120	6	1	7	36
Tennessee	33	6,269	384	442	18	33	3
Texas	57	8,279	679	960	652	117	19
Utah	4	723	59	2	9	8	4
Vermont	4	560	18	2	2	1	—
Virginia	34	4,738	179	604	26	64	4
Washington	22	3,361	280	44	29	138	19
West Virginia	18	2,557	131	38	4	7	1
Wisconsin	31	7,052	372	140	52	33	23
Wyoming	5	386	32	1	9	1	5
American Samoa	1	26	—	—	—	26	—
Guam	1	54	3	2	2	38	—
Puerto Rico	17	3,250	477	—	3,087	1	—
Virgin Islands	2	45	—	28	1	—	—

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Figures represent only those programs responding to this section of the questionnaire.

Table 47

ENROLLMENTS OF MEN AND MINORITY STUDENTS IN BACCALAUREATE PROGRAMS, BY NLN REGION AND STATE: 1983-84[1, 2]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL BACCALAUREATE ENROLLMENTS	NUMBER OF ENROLLMENTS				
			Males	Blacks	Hispanic	Asian	American Indian
United States	**484**	**91,967**	**5,747**	**7,578**	**1,927**	**2,019**	**322**
North Atlantic	101	28,596	1,472	1,805	350	297	33
Midwestern	117	26,731	1,380	1,440	428	322	81
Southern	139	25,103	1,654	3,763	346	305	75
Western	47	11,537	1,241	570	803	1,095	133
Alabama	13	2,856	249	624	5	17	5
Alaska	1	310	32	17	8	8	15
Arizona	4	1,212	74	12	40	15	32
Arkansas	7	567	35	45	1	4	—
California	19	4,915	701	501	607	1,006	24
Colorado	2	414	31	6	7	13	3
Connecticut	6	1,515	50	40	12	6	—
Delaware	2	813	6	71	—	1	—
District of Columbia	4	992	35	297	6	41	2
Florida	12	1,619	110	225	172	24	2
Georgia	13	1,276	84	328	6	6	1
Hawaii	2	220	3	3	8	20	2
Idaho	1	84	7			2	—
Illinois	19	3,971	162	435	112	136	4
Indiana	12	3,053	94	21	1	4	1
Iowa	10	1,320	39	16	4	9	1
Kansas	9	1,264	78	40	22	12	7
Kentucky	6	1,226	36	87	3	18	—
Louisiana	10	2,756	255	794	11	13	1
Maine	3	530	38				—
Maryland	5	1,151	71	418	15	21	—
Massachusetts	14	4,518	197	168	49	31	2
Michigan	13	3,576	228	54	39	14	6
Minnesota	10	1,515	98	8	2	11	7
Mississippi	7	1,315	107	287	4	8	1
Missouri	8	1,388	52	24	5	5	1
Montana	2	868	74	1	2		19
Nebraska	3	407	22	11	6	10	1
Nevada	1	265	27	1	8	6	3
New Hampshire	3	619	13			—	—
New Jersey	5	1,751	36	167	66	53	1
New Mexico	1	345	44	3	85	7	15
New York	31	8,723	596	586	154	86	24
North Carolina	9	1,648	53	151	1	8	3
North Dakota	4	601	52	2	2	3	14
Ohio	14	4,269	264	135	16	34	6
Oklahoma	11	1,086	70	46	13	12	44
Oregon	4	890	67	4	8	24	3
Pennsylvania	29	7,313	373	382	46	71	3
Rhode Island	3	1,500	119	13	6	8	1
South Carolina	4	1,420	57	196	9	20	1
South Dakota	3	794	71	2	1	4	15
Tennessee	9	2,174	63	112	—	13	3
Texas	19	3,480	357	683	277	72	12
Utah	3	395	37		6	7	4
Vermont	1	322	10	1	1	—	—
Virginia	9	1,822	79	319	7	22	2
Washington	6	1,427	123	21	17	81	9
West Virginia	5	707	28	11	—	5	—
Wisconsin	12	4,573	220	79	40	28	18
Wyoming	1	192	21	1	7	—	4
American Samoa	—	—	—	—	—	—	—
Guam	—	—	—	—	—	—	—
Puerto Rico	10	2,324	356	6	2,317	1	—
Virgin Islands	1	15	—	14	—	—	—

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Figures represent only those programs responding to this section of the questionnaire.

Table 48

ENROLLMENTS OF MEN AND MINORITY STUDENTS IN ASSOCIATE DEGREE PROGRAMS, BY NLN REGION AND STATE: 1983-84[1, 2]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL ASSOCIATE DEGREE ENROLLMENTS	NUMBER OF ENROLLMENTS				
			Males	Blacks	Hispanic	Asian	American Indian
United States	**695**	**93,811**	**6,052**	**6,124**	**2,011**	**1,030**	**517**
North Atlantic	123	23,401	1,772	2,253	401	206	59
Midwestern	186	24,597	1,426	1,036	159	109	61
Southern	262	32,000	1,893	2,383	830	225	242
Western	124	13,813	961	452	621	490	155
Alabama	20	2,488	222	355	1	9	2
Alaska	1	67	4	4	2	1	3
Arizona	10	915	76	17	55	5	15
Arkansas	11	1,164	82	61	—	5	4
California	53	6,627	417	383	395	271	42
Colorado	7	759	48	7	50	2	3
Connecticut	4	670	74	94	34	1	—
Delaware	3	349	5	9	1	2	—
District of Columbia	1	203	—	126	2	25	—
Florida	25	4,682	333	332	183	65	7
Georgia	18	2,016	121	222	2	10	3
Hawaii	4	288	21	—	5	135	—
Idaho	5	520	39	2	6	1	1
Illinois	32	4,768	242	424	51	44	5
Indiana	17	2,276	123	73	13	4	1
Iowa	15	1,328	166	43	23	11	—
Kansas	17	1,184	55	38	16	8	5
Kentucky	17	1,828	88	36	1	5	3
Louisiana	6	1,105	48	81	8	3	—
Maine	4	289	24	1	—	—	—
Maryland	13	2,029	96	240	5	18	1
Massachusetts	17	2,549	117	106	27	7	5
Michigan	28	3,823	167	164	22	10	13
Minnesota	12	1,914	85	3	2	12	7
Mississippi	10	1,210	65	141	2	1	—
Missouri	17	1,575	113	112	7	4	5
Montana	1	128	9	—	1	2	—
Nebraska	2	550	22	23	5	2	3
Nevada	3	377	17	1	3	1	1
New Hampshire	6	461	17	3	—	1	1
New Jersey	14	2,714	138	234	21	20	1
New Mexico	10	707	51	12	77	7	66
New York	50	12,715	1,107	1,528	294	130	50
North Carolina	36	2,793	90	164	2	7	113
North Dakota	2	224	8	—	1	—	1
Ohio	26	4,817	314	124	12	14	5
Oklahoma	15	1,248	67	43	5	11	39
Oregon	11	969	89	1	10	6	13
Pennsylvania	21	3,213	282	151	15	19	2
Rhode Island	—	—	—	—	—	—	—
South Carolina	12	1,219	27	87	246	1	1
South Dakota	4	442	31	3	—	—	14
Tennessee	17	2,345	211	162	15	15	—
Texas	36	4,553	300	266	342	43	7
Utah	1	328	22	2	3	1	—
Vermont	3	238	8	1	1	1	—
Virginia	13	1,810	66	172	16	31	1
Washington	16	1,934	157	23	12	57	10
West Virginia	11	1,510	77	21	2	1	1
Wisconsin	14	1,696	100	29	7	—	2
Wyoming	4	194	11	—	2	1	1
American Samoa	1	26	—	—	—	26	—
Guam	1	54	3	2	2	38	—
Puerto Rico	7	926	121	—	770	—	—
Virgin Islands	1	30	—	28	1	—	—

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Figures represent only those programs responding to this section of the questionnaire.

Table 49

ENROLLMENTS OF MEN AND MINORITY STUDENTS IN DIPLOMA PROGRAMS, BY NLN REGION AND STATE: 1983-84[1, 2]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL DIPLOMA ENROLLMENTS	NUMBER OF ENROLLMENTS				
			Males	Blacks	Hispanic	Asian	American Indian
United States	**249**	**35,627**	**1,853**	**1,661**	**455**	**321**	**41**
North Atlantic	100	13,311	696	574	187	148	8
Midwestern	98	14,840	754	351	65	95	25
Southern	47	6,807	358	696	124	33	6
Western	4	669	45	40	79	45	2
Alabama	3	359	19	17	2	—	1
Alaska	—	—	—	—	—	—	—
Arizona	—	—	—	—	—	—	—
Arkansas	2	359	24	40	—	3	—
California	2	509	33	36	69	44	2
Colorado	2	160	12	4	10	1	—
Connecticut	5	834	23	16	11	4	—
Delaware	1	45	3	—	—	—	—
District of Columbia	—	—	—	—	—	—	—
Florida	1	309	19	69	60	3	—
Georgia	2	427	16	31	1	1	—
Hawaii	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—
Illinois	19	2,404	90	88	30	58	3
Indiana	6	1,082	30	10	1	4	—
Iowa	9	1,182	49	4	1	2	4
Kansas	3	259	22	5	5	2	2
Kentucky	—	—	—	—	—	—	—
Louisiana	4	795	58	153	16	4	1
Maine	1	112	4	—	—	—	—
Maryland	4	383	8	29	4	3	—
Massachusetts	10	1,530	81	18	9	8	1
Michigan	6	777	40	18	1	2	2
Minnesota	3	433	38	2	—	—	—
Mississippi	1	60	5	13	—	—	—
Missouri	10	2,015	130	58	8	7	3
Montana	—	—	—	—	—	—	—
Nebraska	5	925	58	16	5	4	—
Nevada	—	—	—	—	—	—	—
New Hampshire	2	131	6	1	—	1	—
New Jersey	15	2,080	76	244	111	68	—
New Mexico	—	—	—	—	—	—	—
New York	17	2,295	139	122	37	49	2
North Carolina	6	843	15	41	—	—	2
North Dakota	2	261	4	—	—	—	—
Ohio	28	4,466	223	117	6	8	1
Oklahoma	—	—	—	—	—	—	—
Oregon	—	—	—	—	—	—	—
Pennsylvania	45	6,254	381	170	19	18	2
Rhode Island	2	330	3	3	—	—	3
South Carolina	1	30	2	6	—	—	—
South Dakota	2	253	18	1	—	3	7
Tennessee	7	1,750	110	168	3	5	—
Texas	2	346	22	11	33	2	1
Utah	—	—	—	—	—	—	—
Vermont	—	—	—	—	—	—	—
Virginia	12	1,106	54	113	3	11	1
Washington	—	—	—	—	—	—	—
West Virginia	2	340	26	6	2	1	—
Wisconsin	5	783	52	32	5	5	3
Wyoming	—	—	—	—	—	—	—
American Samoa	—	—	—	—	—	—	—
Guam	—	—	—	—	—	—	—
Puerto Rico	—	—	—	—	—	—	—
Virgin Islands	—	—	—	—	—	—	—

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Figures represent only those programs responding to this section of the questionnaire.

Table 50

TRENDS IN ENROLLMENTS OF MEN AND MINORITY STUDENTS IN BASIC RN PROGRAMS, 1978 TO 1984[1]

YEAR	NUMBER OF PROGRAMS REPORTING	MEN		BLACKS		HISPANIC		ASIAN		AMERICAN INDIAN	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
ALL REPORTING RN PROGRAMS											
1978	1,202	10,327	4.8	12,630	5.8	3,079	1.4	2,608	1.2	*	*
1981	1,276	11,183	5.7	14,322	7.2	4,080	2.3	3,155	1.8	*	*
1984	1,348	13,652	6.2	15,363	6.9	4,410	2.0	3,594	1.6	880	0.4
BACCALAUREATE PROGRAMS											
1978	320	4,249	4.5	6,318	6.8	1,292	1.4	1,272	1.4	*	*
1981	333	4,265	5.5	6,091	7.7	1,708	2.3	1,682	2.3	*	*
1984	404	5,747	6.2	7,578	8.2	1,927	2.1	2,019	2.2	322	0.4
ASSOCIATE DEGREE PROGRAMS											
1978	571	4,216	5.3	4,903	6.2	1,418	1.8	923	0.7	*	*
1981	654	5,252	6.3	6,514	7.8	1,950	2.7	1,244	1.8	*	*
1984	695	6,052	6.5	6,124	6.5	2,011	2.1	1,030	1.1	517	0.6
DIPLOMA PROGRAMS											
1978	311	1,852	4.2	1,409	3.2	369	0.8	413	0.9	*	*
1981	289	1,666	4.5	1,717	4.5	422	1.3	229	0.7	*	*
1984	249	1,853	5.2	1,561	4.7	455	1.3	321	0.9	41	0.1

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

* "American Indian/Oriental" was one category before 1984.

Graduations of Men and Minority Students (Tables 51-55)

- The pattern of graduations for men and minority students in all basic RN programs is similar to the patterns described for admissions and enrollments of those groups.

- The West reported the highest proportion of male, Hispanic, and Asian graduates over all program types, while the South reported the greatest percentage of black graduates in all program types (see Table 51).

- From 1978 to 1984, baccalaureate programs have reported consistent increases in the proportion of men, blacks, and Asians that have graduated. Diploma programs registered small increases in the proportion of male graduates. Trends for other groups cannot be clearly identified because their proportions fluctuate over the years (see Table 55).

- The most dramatic change reported in 1984 was among black graduates in associate degree programs. From 1981 to 1984 the proportion dropped 2.3 percent (see Table 55).

Table 51

GRADUATIONS OF MEN AND MINORITY STUDENTS FROM ALL BASIC RN PROGRAMS, BY NLN REGION AND STATE: 1983-84[1, 2]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL RN GRADUATIONS	NUMBER OF GRADUATIONS				
			Males	Blacks	Hispanic	Asian	American Indian
United States	**1,348**	**74,076**	**4,286**	**3,822**	**1,511**	**1,086**	**325**
North Atlantic	324	18,598	932	862	215	118	17
Midwestern	401	23,437	1,205	873	141	182	141
Southern	448	22,464	1,380	1,764	602	202	123
Western	175	9,577	769	323	553	584	44
Alabama	36	2,012	161	275	–	20	49
Alaska	2	56	6	1	2	1	4
Arizona	14	666	63	2	36	5	3
Arkansas	20	809	66	55	1	6	5
California	74	4,655	362	286	413	420	8
Colorado	11	609	24	10	33	3	1
Connecticut	15	733	32	17	5	2	–
Delaware	6	312	9	6	1	1	–
District of Columbia	5	300	15	68	4	3	–
Florida	38	3,250	230	217	131	63	3
Georgia	33	1,252	74	122	107	5	1
Hawaii	6	154	18	3	6	102	–
Idaho	6	298	20	1	–	1	1
Illinois	70	4,141	216	305	61	91	10
Indiana	35	1,851	41	38	3	15	–
Iowa	34	1,437	88	4	17	5	2
Kansas	29	1,057	55	20	10	6	5
Kentucky	23	1,032	42	35	1	3	1
Louisiana	20	956	56	120	5	5	1
Maine	8	306	10	–	–	–	–
Maryland	22	1,433	66	160	8	9	8
Massachusetts	43	2,391	107	39	17	5	–
Michigan	47	3,151	149	130	15	20	3
Minnesota	25	1,741	104	4	6	2	5
Mississippi	18	777	47	87	3	1	1
Missouri	35	1,794	115	37	4	5	3
Montana	3	227	21	1	–	–	3
Nebraska	10	819	44	8	2	3	1
Nevada	4	173	10	–	–	–	–
New Hampshire	11	333	16	–	–	–	–
New Jersey	34	1,905	69	128	64	18	–
New Mexico	11	382	39	7	35	4	12
New York	98	6,928	408	484	108	69	15
North Carolina	51	1,766	79	158	1	8	53
North Dakota	8	446	36	–	–	1	1
Ohio	68	4,465	224	291	14	32	45
Oklahoma	26	891	46	43	5	2	42
Oregon	15	578	64	4	7	11	1
Pennsylvania	95	4,896	250	117	15	18	1
Rhode Island	5	326	9	1	1	2	–
South Carolina	17	875	32	56	107	2	–
South Dakota	9	450	21	–	–	2	10
Tennessee	33	1,830	127	88	1	5	1
Texas	57	3,016	239	196	221	43	9
Utah	4	396	39	–	2	1	1
Vermont	4	168	7	2	–	–	–
Virginia	34	1,676	61	135	11	21	1
Washington	22	1,274	115	8	17	35	7
West Virginia	18	889	37	17	1	8	–
Wisconsin	31	2,085	112	36	8	1	5
Wyoming	5	109	5	–	2	–	3
American Samoa	1	32	–	–	–	26	–
Guam	1	11	1	1	1	21	–
Puerto Rico	17	1,127	106	2	1,009	–	–
Virgin Islands	2	8	–	7	–	–	–

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Figures represent only those programs responding to this section of the questionnaire.

Table 52

GRADUATIONS OF MEN AND MINORITY STUDENTS FROM BACCALAUREATE PROGRAMS, BY NLN REGION AND STATE: 1983-84[1, 2]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL BACCALAUREATE GRADUATIONS	NUMBER OF GRADUATIONS				
			Males	Blacks	Hispanic	Asian	American Indian
United States	**484**	**23,107**	**1,423**	**1,488**	**422**	**604**	**105**
North Atlantic	101	6,494	266	324	61	38	4
Midwestern	117	7,022	383	263	61	96	13
Southern	139	6,818	479	777	169	88	70
Western	47	2,773	295	124	131	382	18
Alabama	13	825	61	137	—	18	46
Alaska	1	34	3	—	—	1	1
Arizona	4	250	17	2	9	3	—
Arkansas	7	235	20	14	1	3	—
California	19	1,144	152	106	86	293	1
Colorado	2	179	11	5	7	—	1
Connecticut	6	286	12	5	1	2	—
Delaware	2	161	—	3	—	—	—
District of Columbia	4	231	13	36	2	—	—
Florida	12	574	41	62	50	8	1
Georgia	13	395	28	48	4	1	1
Hawaii	2	52	4	3	4	52	—
Idaho	1	37	—	—	—	—	1
Illinois	19	1,006	56	111	19	30	2
Indiana	12	630	12	9	1	11	—
Iowa	10	398	17	2	16	2	—
Kansas	9	399	22	6	3	4	3
Kentucky	6	211	7	23	1	1	—
Louisiana	10	408	27	68	1	4	—
Maine	3	113	4	—	—	—	—
Maryland	5	410	21	57	4	8	2
Massachusetts	14	958	35	17	10	2	—
Michigan	13	960	52	65	9	14	1
Minnesota	10	598	34	1	1	2	1
Mississippi	7	324	27	51	2	—	1
Missouri	8	455	21	5	2	4	2
Montana	2	164	15	1	—	—	2
Nebraska	3	201	22	3	—	2	—
Nevada	1	41	4	—	—	—	—
New Hampshire	3	116	—	—	—	—	—
New Jersey	5	348	12	22	9	3	—
New Mexico	1	81	10	1	12	2	4
New York	31	2,323	118	200	32	19	2
North Carolina	9	445	19	92	—	5	1
North Dakota	4	234	20	—	—	1	1
Ohio	14	1,025	63	47	8	24	1
Oklahoma	11	311	17	23	3	1	13
Oregon	4	170	13	3	1	7	—
Pennsylvania	29	1,624	63	40	6	10	1
Rhode Island	3	261	9	1	1	2	—
South Carolina	4	283	16	27	—	2	—
South Dakota	3	184	8	—	—	1	1
Tennessee	9	480	25	24	1	1	1
Texas	19	1,136	127	97	38	26	4
Utah	3	154	39	—	2	—	1
Vermont	1	73	—	—	—	—	—
Virginia	9	623	22	78	3	5	—
Washington	6	436	43	3	9	24	4
West Virginia	5	158	4	6	1	5	—
Wisconsin	12	932	56	14	2	1	2
Wyoming	1	31	1	—	1	—	3
American Samoa	—	—	—	—	—	—	—
Guam	—	—	—	—	—	—	—
Puerto Rico	10	492	58	1	490	—	—
Virgin Islands	1	—	—	—	—	—	—

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Figures represent only those programs responding to this section of the questionnaire.

Table 53

GRADUATIONS OF MEN AND MINORITY STUDENTS FROM ASSOCIATE DEGREE PROGRAMS, BY NLN REGION AND STATE: 1983-84[1, 2]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL ASSOCIATE DEGREE GRADUATIONS	NUMBER OF GRADUATIONS				
			Males	Blacks	Hispanic	Asian	American Indian
United States	**695**	**39,673**	**2,325**	**1,954**	**926**	**394**	**216**
North Atlantic	123	8,149	502	442	97	71	13
Midwestern	186	11,369	580	513	52	42	126
Southern	262	13,653	794	822	397	97	52
Western	124	6,502	449	177	380	190	25
Alabama	20	1,117	99	137	—	1	3
Alaska	1	22	3	1	2	—	3
Arizona	10	416	46	—	27	2	3
Arkansas	11	482	43	30	—	3	5
California	53	3,272	187	159	288	115	6
Colorado	7	367	11	4	23	3	—
Connecticut	4	231	12	9	4	—	—
Delaware	3	137	8	3	1	1	—
District of Columbia	1	69	2	32	2	3	—
Florida	25	2,556	173	138	64	52	2
Georgia	18	781	46	70	103	4	—
Hawaii	4	102	14	—	2	50	—
Idaho	5	261	20	1	—	1	—
Illinois	32	2,337	116	156	20	26	8
Indiana	17	988	26	25	2	4	—
Iowa	15	646	54	1	1	—	2
Kansas	17	554	22	13	6	2	2
Kentucky	17	821	35	12	—	2	1
Louisiana	6	344	6	13	1	1	1
Maine	4	170	5	—	—	—	—
Maryland	13	878	41	85	3	—	6
Massachusetts	17	970	56	18	6	3	—
Michigan	28	1,861	89	62	6	5	2
Minnesota	12	959	58	1	5	—	4
Mississippi	10	428	19	28	1	1	—
Missouri	17	627	39	21	—	—	—
Montana	1	63	6	—	—	—	1
Nebraska	2	265	12	3	1	1	1
Nevada	3	132	5	—	—	—	—
New Hampshire	5	177	16	—	—	—	—
New Jersey	14	1,084	50	84	14	9	—
New Mexico	10	301	29	6	23	2	8
New York	50	3,835	249	268	67	48	13
North Carolina	36	1,129	50	87	1	2	52
North Dakota	2	106	13	—	—	—	—
Ohio	26	1,951	98	213	4	4	43
Oklahoma	15	580	29	20	2	1	29
Oregon	11	408	51	1	6	4	1
Pennsylvania	21	1,381	97	26	3	7	—
Rhode Island	—	—	—	—	—	—	—
South Carolina	12	563	14	27	107	—	—
South Dakota	4	200	12	—	—	1	9
Tennessee	17	896	77	33	—	2	—
Texas	36	1,742	105	91	113	15	5
Utah	1	242	—	—	—	1	—
Vermont	3	95	7	2	—	—	—
Virginia	13	725	30	43	3	4	—
Washington	16	838	72	5	8	11	3
West Virginia	11	611	27	8	—	3	—
Wisconsin	14	875	41	18	6	—	3
Wyoming	4	78	4	—	1	—	—
American Samoa	1	11	—	—	—	26	—
Guam	1	32	1	1	1	21	—
Puerto Rico	7	560	—	1	519	—	—
Virgin Islands	1	8	—	7	—	—	—

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Figures represent only those programs responding to this section of the questionnaire.

Table 54

GRADUATIONS OF MEN AND MINORITY STUDENTS FROM DIPLOMA PROGRAMS, BY NLN REGION AND STATE: 1983-84[1, 2]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL DIPLOMA GRADUATIONS	NUMBER OF GRADUATIONS				
			Males	Blacks	Hispanic	Asian	American Indian
United States	**249**	**11,296**	**538**	**380**	**163**	**88**	**4**
North Atlantic	100	3,955	164	96	57	9	–
Midwestern	98	5,046	242	97	28	44	2
Southern	47	1,993	107	165	36	23	1
Western	4	302	25	22	42	12	1
Alabama	3	70	1	1	–	1	–
Alaska	–	–	–	–	–	–	–
Arizona	–	–	–	–	–	–	–
Arkansas	2	92	3	11		1	–
California	2	239	23	21	39	12	1
Colorado	2	63	2	1	3	–	–
Connecticut	5	216	8	3	–	–	–
Delaware	1	14	1	–	–	–	–
District of Columbia	–	–	–	–	–	–	–
Florida	1	120	16	17	17	3	–
Georgia	2	76		4	–	–	–
Hawaii	–	–	–	–	–	–	–
Idaho	–	–				–	–
Illinois	19	798	44	38	22	35	–
Indiana	6	233	3	4	–	–	–
Iowa	9	393	17	1	–	3	–
Kansas	3	104	11	1	1	–	–
Kentucky	–	–	–	–	–	–	–
Louisiana	4	204	23	39	3	–	–
Maine	1	23	1	–	–	–	–
Maryland	4	145	4	18	1	1	–
Massachusetts	12	463	16	4	1	–	–
Michigan	6	330	8	3	–	1	–
Minnesota	3	184	12	2	–	–	–
Mississippi	1	25	1	8	–	–	–
Missouri	10	712	55	11	2	1	1
Montana	–	–	–	–	–	–	–
Nebraska	5	353	10	2	1	–	–
Nevada	–	–	–	–	–	–	–
New Hampshire	2	40	–	–	–	–	–
New Jersey	15	473	7	22	41	6	–
New Mexico	–	–	–	–	–	–	–
New York	17	770	41	16	9	2	–
North Carolina	6	192	10	9	–	1	–
North Dakota	2	106	3	–	–	–	–
Ohio	28	1,489	63	31	2	4	1
Oklahoma	–	–	–	–	–	–	–
Oregon	–	–	–	–	–	–	–
Pennsylvania	45	1,891	90	51	6	1	–
Rhode Island	2	65	–	–	–	–	–
South Carolina	1	29	2	2	–	–	–
South Dakota	2	56	1	–	–	–	–
Tennessee	7	454	25	31	–	2	–
Texas	2	138	7	8	10	2	–
Utah	–	–	–	–	–	–	–
Vermont	–	–	–	–	–	–	–
Virginia	12	328	9	14	5	12	1
Washington	–	–	–	–	–	–	–
West Virginia	2	120	6	3	–	–	–
Wisconsin	5	278	15	4	–	–	–
Wyoming	–	–	–	–	–	–	–
American Samoa	–	–	–	–	–	–	–
Guam	–	–	–	–	–	–	–
Puerto Rico	–	–	–	–	–	–	–
Virgin Islands	–	–	–	–	–	–	–

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Figures represent only those programs responding to this section of the questionnaire.

Table 55

TRENDS IN GRADUATIONS OF MEN AND MINORITY STUDENTS IN BASIC RN PROGRAMS, 1978 TO 1984[1]

YEAR	NUMBER OF PROGRAMS REPORTING	MEN		BLACKS		HISPANIC		ASIAN		AMERICAN INDIAN	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
ALL REPORTING RN PROGRAMS											
1978	1,202	3,862	5.5	3,277	4.7	1,088	1.6	855	1.2	*	*
1981	1,276	3,492	5.8	3,566	6.0	1,158	2.2	869	1.7	*	*
1984	1,348	4,286	5.8	3,822	5.2	1,511	2.0	1,086	1.5	325	0.4
BACCALAUREATE PROGRAMS											
1978	320	1,159	5.0	992	4.3	279	1.2	301	1.3	*	*
1981	333	1,117	5.5	1,079	5.6	372	2.2	373	2.2	*	*
1984	404	1,423	6.2	1,488	6.4	422	1.8	604	2.6	105	0.5
ASSOCIATE DEGREE PROGRAMS											
1978	571	2,048	6.4	1,965	6.2	697	2.2	410	1.3	*	*
1981	654	1,884	6.4	2,121	7.2	648	2.6	429	1.7	*	*
1984	695	2,325	5.7	1,954	4.9	926	2.3	394	1.0	216	0.5
DIPLOMA PROGRAMS											
1978	311	655	4.4	320	2.2	112	0.8	413	2.8	*	*
1981	289	491	4.4	366	3.5	138	1.5	57	0.7	*	*
1984	249	538	4.8	380	3.4	153	1.4	88	0.8	4	0.0

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

* "American Indian/Oriental" was one category before 1984.

Higher Degree Nursing Education

DOCTORAL PROGRAMS IN NURSING

Doctoral Programs in Nursing (Tables 56-58)

- The number of doctoral nursing programs in 1984 stood at 31, with the programs distributed among 21 states. Four new programs opened since the previous year, each region gaining one new program (see Table 56).
- The number of doctoral nursing programs grew from 4 in 1965 to the current 31—a 675 percent increase over 20 years. In the last decade, there was an increase of 19 doctoral programs, and in the five-year period from 1980 to 1984, 9 new doctoral programs were opened (see Table 57).
- The number of enrollments in doctoral nursing programs increased 13.4 percent since 1983 (see Table 57).
- The number of enrollments in doctoral nursing programs registered at 1,696 in 1984—an increase of 235 percent over the past decade. Between 1980 and 1984 the number of enrollments increased 66 percent (see Table 57).
- In general, the proportion of full-time and part-time doctoral students has fluctuated over the past 20 years. Since 1982, however, the number of part-time students has been rising slightly (see Table 57).
- The largest group of doctoral students are enrolled in the North Atlantic—about 38 percent of the total. Doctoral students in the South constitute 28 percent of total doctoral enrollment, the Midwest has 20 percent, and the West, 14 percent (see Table 58).
- The Midwest reported a gain of 21 percent (from 278 to 336) in doctoral enrollments from 1983 to 1984. The South reported a 15 percent increase over the previous year; the North Atlantic, 12 percent; and the West, 6 percent (see Table 58).

Table 56

DOCTORAL PROGRAMS IN NURSING LOCATED IN NURSING EDUCATION DEPARTMENTS: 1975 TO 1984[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS									
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
United States	**12**	**14**	**16**	**21**	**22**	**22**	**23**	**25**	**27**	**31**
North Atlantic	4	5	5	7	7	7	8	9	8	9
Midwest	4	4	5	6	6	6	6	7	9	10
South	3	3	3	3	4	4	4	5	5	6
West	1	2	3	5	5	5	5	5	5	6
Alabama	1	1	1	1	1	1	1	1	1	1
Alaska	0	0	0	0	0	0	0	0	0	0
Arizona	0	1	1	1	1	1	1	1	1	1
Arkansas	0	0	0	0	0	0	0	0	0	0
California	1	1	1	1	1	1	1	1	1	2
Colorado	0	0	1	1	1	1	1	1	1	1
Connecticut	0	0	0	0	0	0	0	0	0	0
Delaware	0	0	0	0	0	0	0	0	0	0
District of Columbia	1	1	1	1	1	1	1	1	1	1
Florida	0	0	0	0	0	0	0	0	0	1
Georgia	0	0	0	0	0	0	0	0	0	0
Hawaii	0	0	0	0	0	0	0	0	0	0
Idaho	0	0	0	0	0	0	0	0	0	0
Illinois	1	1	2	2	2	2	2	2	2	2
Indiana	0	0	0	1	1	1	1	1	1	1
Iowa	0	0	0	0	0	0	0	0	0	0
Kansas	0	0	0	0	0	0	0	0	1	1
Kentucky	0	0	0	0	0	0	0	0	0	0
Louisiana	0	0	0	0	0	0	0	0	0	0
Maine	0	0	0	0	0	0	0	0	0	0
Maryland	0	0	0	0	1	1	1	1	1	1
Massachusetts	0	1	1	1	1	1	1	1	1	1
Michigan	2	2	2	2	2	2	2	2	2	2
Minnesota	0	0	0	0	0	0	0	0	1	1
Mississippi	0	0	0	0	0	0	0	0	0	0
Missouri	0	0	0	0	0	0	0	0	0	0
Montana	0	0	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0	0	0	0
Nevada	0	0	0	0	0	0	0	0	0	0
New Hampshire	0	0	0	0	0	0	0	0	0	0
New Jersey	0	0	0	0	0	0	0	0	0	0
New Mexico	0	0	0	0	0	0	0	0	0	0
New York	2	2	2	3	3	3	4	4	4	4
North Carolina	0	0	0	0	0	0	0	0	0	0
North Dakota	0	0	0	0	0	0	0	0	0	0
Ohio	1	1	1	1	1	1	1	1	1	1
Oklahoma	0	0	0	0	0	0	0	0	0	0
Oregon	0	0	0	0	0	0	0	0	0	0
Pennsylvania	1	1	1	2	2	2	2	2	2	3
Rhode Island	0	0	0	0	0	0	0	0	0	0
South Carolina	0	0	0	0	0	0	0	0	0	0
South Dakota	0	0	0	0	0	0	0	0	0	0
Tennessee	0	0	0	0	0	0	0	0	0	0
Texas	2	2	2	2	2	2	2	2	2	2
Utah	0	0	1	1	1	1	1	1	1	1
Vermont	0	0	0	0	0	0	0	0	0	0
Virginia	0	0	0	0	0	0	0	1	1	1
Washington	0	0	0	1	1	1	1	1	1	1
West Virginia	0	0	0	0	0	0	0	0	0	0
Wisconsin	0	0	0	0	0	0	0	1	1	2
Wyoming	0	0	0	0	0	0	0	0	0	0
American Samoa	0	0	0	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0	0	0	0
Puerto Rico	0	0	0	0	0	0	0	0	0	0
Virgin Islands	0	0	0	0	0	0	0	0	0	0

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 57
ENROLLMENTS AND PERCENTAGE CHANGE FROM PREVIOUS YEAR OF NURSES IN DOCTORAL PROGRAMS LOCATED IN NURSING EDUCATION DEPARTMENTS: 1965 TO 1984[1]

ACADEMIC YEAR	NUMBER OF PROGRAMS	ENROLLMENTS					
		Total		Full Time		Part Time	
		Number	Percent Change	Number	Percent	Number	Percent
1965	4	211	+34.4	94	44.5	117	55.5
1966	5	189	-10.4	89	47.1	100	52.9
1967	5	209	+10.6	105	50.2	104	49.8
1968	6	258	+23.4	103	39.9	155	60.1
1969	6	286	+10.9	170	59.4	116	40.6
1970	6	312	+9.1	120	38.5	192	61.5
1971	6	293	-6.1	151	51.5	142	48.5
1972	8	402	+37.2	180	44.8	222	55.2
1973	8	375	-6.7	161	42.9	214	57.1
1974	9	482	+28.5	192	39.8	290	60.2
1975	12	506	+5.0	199	39.3	307	60.7
1976	14	632	+24.9	278	44.0	354	56.0
1977	16	790	+25.0	294	37.2	496	62.8
1978	21	789	-0.1	358	45.4	431	54.6
1979	22	980	+24.2	504	51.4	476	48.6
1980	22	1,019	+4.0	603	59.2	416	40.8
1981	23	1,163	+14.1	625	53.7	538	46.3
1982	25	1,342	+15.4	655	48.8	687	51.2
1983	27	1,495	+11.4	685	45.8	810	54.2
1984	31	1,696	+13.4	758	44.7	938	55.3

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 58

ENROLLMENTS OF REGISTERED NURSES IN DOCTORAL PROGRAMS LOCATED IN NURSING EDUCATION DEPARTMENTS: 1975 TO 1984[1]

NLN REGION AND STATE	NUMBER OF ENROLLMENTS									
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
United States	**506**	**632**	**790**	**789**	**980**	**1,019**	**1,163**	**1,342**	**1,495**	**1,696**
North Atlantic	394	464	545	441	524	452	450	518	576	643
Midwest	25	51	80	127	170	209	251	275	278	336
South	59	85	120	145	172	212	271	329	409	470
West	28	32	45	76	114	146	191	220	232	247
Alabama	4	9	31	45	49	49	53	60	64	65
Alaska	0	0	0	0	0	0	0	0	0	0
Arizona	0	3	7	10	16	19	20	23	28	34
Arkansas	0	0	0	0	0	0	0	0	0	0
California	28	29	32	42	53	64	92	106	96	105
Colorado	0	0	0	2	13	20	21	22	23	20
Connecticut	0	0	0	0	0	0	0	0	0	0
Delaware	0	0	0	0	0	0	0	0	0	0
District of Columbia	76	63	89	81	91	74	71	1	68	70
Florida	0	0	0	0	0	0	0	0	0	6
Georgia	0	0	0	0	0	0	0	0	0	0
Hawaii	0	0	0	0	0	0	0	0	0	0
Idaho	0	0	0	0	0	0	0	0	0	0
Illinois	9	19	33	51	65	79	87	79	103	90
Indiana	0	0	0	10	26	40	67	73	51	50
Iowa	0	0	0	0	0	0	0	0	0	0
Kansas	0	0	0	0	0	0	0	0	7	12
Kentucky	0	0	0	0	0	0	0	0	0	0
Louisiana	0	0	0	0	0	0	0	0	0	0
Maine	0	0	0	0	0	0	0	0	0	0
Maryland	0	0	0	0	7	16	25	37	44	49
Massachusetts	0	37	40	38	49	49	62	58	54	59
Michigan	12	22	33	48	59	65	71	84	65	109
Minnesota	0	0	0	0	0	0	0	0	3	7
Mississippi	0	0	0	0	0	0	0	0	0	0
Missouri	0	0	0	0	0	0	0	0	0	0
Montana	0	0	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0	0	0	0
Nevada	0	0	0	0	0	0	0	0	0	0
New Hampshire	0	0	0	0	0	0	0	0	0	0
New Jersey	0	0	0	0	0	0	0	0	0	0
New Mexico	0	0	0	0	0	0	0	0	0	0
New York	287	340	391	285	336	274	249	313	363	393
North Carolina	0	0	0	0	0	0	0	0	0	0
North Dakota	0	0	0	0	0	0	0	0	0	0
Ohio	4	10	14	18	20	25	25	38	47	58
Oklahoma		0	0	0	0	0	0	0	0	0
Oregon	0	0	0	0	0	0	0	0	0	0
Pennsylvania	31	24	25	37	48	55	68	76	91	121
Rhode Island	0	0	0	0	0	0	0	0	0	0
South Carolina	0	0	0	0	0	0	0	0	0	0
South Dakota	0	0	0	0	0	0	0	0	0	0
Tennessee	0	0	0	0	0	0	0	0	0	0
Texas	55	76	89	100	116	147	193	224	289	338
Utah	0	0	6	14	16	19	29	35	47	48
Vermont	0	0	0	0	0	0	0	0	0	0
Virginia	0	0	0	0	0	0	0	8	12	12
Washington	0	0	0	8	16	24	29	34	38	40
West Virginia	0	0	0	0	0	0	0	0	0	0
Wisconsin	0	0	0	0	0	0	1	1	2	10
Wyoming	0	0	0	0	0	0	0	0	0	0
American Samoa	0	0	0	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0	0	0	0
Puerto Rico	0	0	0	0	0	0	0	0	0	0
Virgin Islands	0	0	0	0	0	0	0	0	0	0

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Graduations from Doctoral Nursing Programs (Table 59)

- In 1983–84, 183 students graduated from doctoral nursing programs. This figure represents a 32 percent increase over the previous year.

- In 1974-75, only 74 doctoral graduates were reported. The increase over the ten-year period amounts to 147 percent. In the last five years, the number of graduates from doctoral programs grew 46 percent.

- The North Atlantic had the largest proportion of doctoral graduates, with almost 37 percent of the total. The South followed, with nearly 33 percent, while the Midwest reported 20 percent and the West 11 percent of all doctoral graduations.

- The South reported 60 doctoral graduates in 1983-84. This represents an impressive 67 percent increase over the previous year. The North Atlantic reported a large gain of 48 percent in the number of graduates since 1982-83. The Midwest registered a smaller gain of 9 percent, and the West reported a decrease of 20 percent in the doctoral graduations.

- A total of 1,054 doctorates in nursing were granted between 1974-75 to 1983-84.

Table 59

GRADUATIONS OF REGISTERED NURSES FROM DOCTORAL PROGRAMS LOCATED IN NURSING EDUCATION DEPARTMENTS: 1974-75 TO 1983-84[1]

NLN REGION AND STATE	NUMBER OF GRADUATIONS									
	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84
United States	**74**	**62**	**59**	**53**	**101**	**125**	**121**	**137**	**139**	**183**
North Atlantic	65	58	44	36	69	85	52	59	45	67
Midwest	0	0	0	5	6	13	22	37	33	36
South	3	2	7	7	17	19	23	23	36	60
West	6	2	8	5	9	8	14	18	25	20
Alabama	0	0	0	0	2	10	8	8	12	16
Alaska	0	0	0	0	0	0	0	0	0	0
Arizona	0	0	0	0	1	1	3	3	2	5
Arkansas	0	0	0	0	0	0	0	0	0	0
California	6	2	8	5	8	7	9	6	9	10
Colorado	0	0	0	0	0	0	0	2	7	4
Connecticut	0	0	0	0	0	0	0	0	0	0
Delaware	0	0	0	0	0	0	0	0	0	0
District of Columbia	9	9	5	5	6	14	9	7	5	9
Florida	0	0	0	0	0	0	0	0	0	0
Georgia	0	0	0	0	0	0	0	0	0	0
Hawaii	0	0	0	0	0	0	0	0	0	0
Idaho	0	0	0	0	0	0	0	0	0	0
Illinois	0	0	0	1	1	6	8	14	11	12
Indiana	0	0	0	0	0	0	3	12	5	10
Iowa	0	0	0	0	0	0	0	0	0	0
Kansas	0	0	0	0	0	0	0	0	0	0
Kentucky	0	0	0	0	0	0	0	0	0	0
Louisiana	0	0	0	0	0	0	0	0	0	0
Maine	0	0	0	0	0	0	0	0	0	0
Maryland	0	0	0	0	0	0	0	0	0	2
Massachusetts	0	0	1	1	6	3	2	8	5	8
Michigan	0	0	0	3	4	4	8	8	13	8
Minnesota	0	0	0	0	0	0	0	0	0	0
Mississippi	0	0	0	0	0	0	0	0	0	0
Missouri	0	0	0	0	0	0	0	0	0	0
Montana	0	0	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0	0	0	0
Nevada	0	0	0	0	0	0	0	0	0	0
New Hampshire	0	0	0	0	0	0	0	0	0	0
New Jersey	0	0	0	0	0	0	0	0	0	0
New Mexico	0	0	0	0	0	0	0	0	0	0
New York	55	44	35	27	51	61	47	38	27	44
North Carolina	0	0	0	0	0	0	0	0	0	0
North Dakota	0	0	0	0	0	0	0	0	0	0
Ohio	0	0	0	1	1	3	3	3	4	6
Oklahoma	0	0	0	0	0	0	0	0	0	0
Oregon	0	0	0	0	0	0	0	0	0	0
Pennsylvania	1	5	3	3	6	7	4	6	8	6
Rhode Island	0	0	0	0	0	0	0	0	0	0
South Carolina	0	0	0	0	0	0	0	0	0	0
South Dakota	0	0	0	0	0	0	0	0	0	0
Tennessee	0	0	0	0	0	0	0	0	0	0
Texas	3	2	7	7	15	9	15	15	24	39
Utah	0	0	0	0	0	0	2	5	4	1
Vermont	0	0	0	0	0	0	0	0	0	0
Virginia	0	0	0	0	0	0	0	0	0	0
Washington	0	0	0	0	0	0	0	2	3	3
West Virginia	0	0	0	0	0	0	0	0	0	0
Wisconsin	0	0	0	0	0	0	0	0	0	0
Wyoming	0	0	0	0	0	0	0	0	0	0
American Samoa	0	0	0	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0	0	0	0
Puerto Rico	0	0	0	0	0	0	0	0	0	0
Virgin Islands	0	0	0	0	0	0	0	0	0	0

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Miscellaneous Information on Doctoral Nursing Programs

- An analysis of the 116 dissertation topics supplied to NLN concerning doctoral graduates in 1983-84 reveals that 85 (73%) of the dissertations focused on clinical specialties. Within that group, 22 dissertations dealt with parent-child health, 17 with adult health, and 15 with medical issues. Smaller numbers of dissertations were written in the areas of pediatrics, surgical nursing, mental health, women's health, and gerontology.

- In addition to the clinical dissertations, 12 percent of the graduates (14) wrote theses in administration, 5 percent specialized in research methodologies and another 5 percent in theory development. Smaller numbers wrote dissertations on education (3%) and public policy (2%).

- For the first time in 1984, NLN collected data on men and minorities in graduate programs.

- Of the students enrolled in doctoral programs, 2.8 percent were men, 3 percent were black, 0.8 percent were Asian, 0.6 percent were Hispanic, and 0.2 percent were American Indian.

- Among graduates of doctoral programs, 1.6 percent were men, 3.8 percent were black, 1.6 percent were Asian, and 0.5 percent were American Indian. No Hispanics graduated from doctoral programs in 1983-84.

MASTER'S PROGRAMS IN NURSING

Master's Programs in Nursing (Table 60)

- The number of master's programs in nursing totaled 166 in 1984—an 8 percent increase over the previous year. The number of master's programs increased 23 percent over the past five years and grew 40 percent in the last decade.

- The South reported the largest proportion of master's programs—33 percent of the total. The Midwest reported 26 percent of the master's programs; the North Atlantic, 25 percent; and the West, 16 percent.

Table 60

MASTER'S PROGRAMS IN NURSING, BY NLN REGION AND STATE: 1975 TO 1984[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS									
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
United States	**99**	**103**	**112**	**117**	**125**	**135**	**140**	**151**	**154**	**166**
North Atlantic	24	26	26	29	29	32	34	37	37	42
Midwest	28	28	31	31	32	34	37	40	40	44
South	28	31	38	38	44	45	46	50	51	54
West	19	18	17	19	20	23	23	24	26	26
Alabama	1	1	1	1	1	2	2	3	3	4
Alaska	—	—	—	—	—	—	1	1	1	1
Arizona	2	2	2	2	2	2	2	2	2	2
Arkansas	2	2	2	2	2	2	2	2	2	2
California	9	9	8	8	8	8	8	9	9	11
Colorado	1	1	1	1	1	2	2	2	2	1
Connecticut	2	2	2	2	2	2	2	2	2	3
Delaware	1	1	1	1	1	1	1	1	1	1
District of Columbia	1	1	1	1	1	3	3	3	3	3
Florida	1	1	2	2	2	3	3	3	3	4
Georgia	3	3	3	3	3	3	3	3	3	4
Hawaii	1	1	1	1	1	1	1	1	1	1
Idaho	—	—	—	—	1	1	1	1	1	1
Illinois	7	7	7	7	7	7	7	7	7	8
Indiana	3	3	3	3	3	3	3	4	4	4
Iowa	1	1	1	1	1	1	1	1	1	1
Kansas	1	1	2	2	2	2	2	2	2	2
Kentucky	1	1	1	1	1	1	1	2	2	3
Louisiana	3	3	3	3	3	3	3	3	3	2
Maine	—	—	—	—	—	—	—	1	1	1
Maryland	1	1	1	1	1	1	1	2	2	2
Massachusetts	3	4	4	5	5	4	4	6	6	6
Michigan	3	3	3	3	3	3	4	5	5	6
Minnesota	2	2	2	2	2	2	2	2	2	3
Mississippi	3	3	3	3	3	3	3	3	3	3
Missouri	3	3	3	3	3	3	3	3	3	3
Montana	1	1	1	1	1	1	1	1	1	1
Nebraska	1	1	1	1	1	1	2	2	2	2
Nevada	1	—	—	1	1	1	1	1	1	1
New Hampshire	—	—	—	—	—	—	—	—	—	—
New Jersey	2	2	2	2	2	2	2	2	2	2
New Mexico	—	—	—	—	—	1	1	1	1	1
New York	10	11	11	13	13	13	13	13	14	15
North Carolina	3	4	5	5	5	5	5	6	6	6
North Dakota	—	—	—	—	—	—	—	1	1	2
Ohio	3	3	4	5	6	7	7	7	7	7
Oklahoma	1	1	1	1	2	2	2	2	2	2
Oregon	1	1	2	2	2	2	2	2	2	2
Pennsylvania	4	4	4	4	5	6	7	7	7	9
Rhode Island	1	1	1	1	1	1	1	1	1	1
South Carolina	2	2	2	2	3	3	3	3	3	3
South Dakota	—	—	—	—	—	1	1	1	1	1
Tennessee	2	2	3	3	3	3	3	3	3	3
Texas	2	4	7	8	9	9	9	9	9	9
Utah	2	2	2	2	2	2	2	2	2	2
Vermont	—	—	—	—	—	—	—	—	—	—
Virginia	2	2	2	2	4	5	5	5	6	6
Washington	1	1	1	1	1	1	1	1	2	2
West Virginia	1	1	1	1	1	1	1	1	1	1
Wisconsin	4	4	4	4	4	4	5	5	5	5
Wyoming	—	—	—	—	—	1	1	1	1	1
American Samoa	—	—	—	—	—	—	—	—	—	—
Guam	—	—	—	—	—	—	—	—	—	—
Puerto Rico	1	2	2	2	2	2	2	2	2	2
Virgin Islands	—	—	—	—	—	—	—	—	—	—

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Enrollments of Nurses in Master's Programs (Tables 61-63)

- In 1984, enrollments in master's nursing programs rose to 18,822. This 3.9 percent increase over the previous year suggests that the rate of growth in master's program enrollment is slowing down.

- Since 1980, enrollments in master's programs grew from 15,053 to 18,822—a 25 percent increase. In view of the increased demand for clinical specialists, administrators, and researchers, these increases are encouraging.

- The percentage of master's programs accredited by NLN continues to increase, and reached 83 percent in 1984 (see Table 61).

- The ratio of part-time to full-time enrollments in all master's programs is approximately two to one. Regional breakdowns indicate that the North Atlantic had the fewest full-time students, only 27 percent of the total, while the South had 30 percent full-time students and the Midwest, 36 percent. The West was the only region in which full-time enrollment was the norm, accounting for 62 percent of the students (see Table 62).

- The trend toward part-time enrollment is evidenced by the continuing drop in the percentage of full-time students. In 1965, 75.5 percent of master's students were enrolled full time; by 1975, the figure had dropped to 56 percent. By 1980, there were fewer full-time than part-time students, and the percentage continues to decline (see Table 62).

- The South reported the largest increase in master's enrollments since 1983—12.4 percent. The West reported a 7.1 percent increase over the past year, the Midwest reported growth of 2.1 percent, and the rate of growth in the North Atlantic slowed to less than 1 percent (see Table 62).

Table 61

ENROLLMENTS OF NURSES IN MASTER'S PROGRAMS AND PERCENTAGE IN NLN-ACCREDITED PROGRAMS: 1965 TO 1984[1]

ACADEMIC YEAR	PROGRAMS		ENROLLMENTS					
			Total		Full Time		Part Time	
	Number	Percent Accredited	Number	Percent Accredited	Number	Percent Accredited	Number	Percent Accredited
1965	56	71.4	3,123	90.7	2,358	92.1	765	86.5
1966	59	71.2	3,488	92.0	2,767	93.5	721	86.3
1967	61	75.4	3,531	91.8	2,752	94.1	779	83.3
1968	66	74.2	4,018	92.7	3,034	94.1	984	88.2
1969	70	71.4	4,443	89.4	3,346	91.8	1,097	81.8
1970	73	72.6	4,765	87.5	3,529	92.9	1,236	72.1
1971	79	72.2	5,405	89.3	3,925	93.0	1,480	79.6
1972	86	67.4	6,342	88.4	4,324	92.6	2,018	79.2
1973	86	74.4	6,786	89.0	4,159	95.0	2,627	79.6
1974	88	69.6	7,924	86.7	4,462	90.7	3,462	81.4
1975	99	69.0	9,662	90.6	5,402	93.4	4,260	87.1
1976	103	67.9	10,809	88.4	5,924	92.5	4,885	83.4
1977	112†	66.4	12,143	86.8	6,112	92.5	6,031	81.0
1978	117	68.1	13,105	87.0	6,561	91.5	6,544	82.5
1979	125	72.4	14,130	87.8	6,891	91.8	7,239	83.9
1980	135	66.4	15,053	86.3	7,306	89.0	7,747	83.7
1981	140	65.5	16,125	85.1	7,000	87.3	9,125	83.6
1982	151	78.1	17,085	91.1	6,389	96.0	10,696	88.2
1983	154	77.5	18,112	87.0	6,478	89.8	11,634	86.3
1984	166	82.7	18,822	95.1	6,587	93.0	12,235	97.3

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

† One school shown in the total number of programs reported no enrollments for 1977.

Table 62

ENROLLMENTS OF NURSES IN MASTER'S PROGRAMS, PERCENTAGE CHANGE FROM PREVIOUS YEAR, AND PERCENTAGE ENROLLED FULL TIME, BY NLN REGION: 1965 TO 1984[1]

YEAR	ALL REGIONS				NORTH ATLANTIC				MIDWESTERN				SOUTHERN				WESTERN			
	Number of Programs	Enrollments			Number of Programs	Enrollments			Number of Programs	Enrollments			Number of Programs	Enrollments			Number of Programs	Enrollments		
		Number	Percent Change	Percent Full Time		Number	Percent Change	Percent Full Time		Number	Percent Change	Percent Full Time		Number	Percent Change	Percent Full Time		Number	Percent Change	Percent Full Time
1965	56	3,123	+10.1	75.5	19	1,533	+10.4	67.6	18	650	+4.0	86.6	10*	385	+16.7	85.2	9	555	+12.8	77.3
1966	59	3,488	+11.7	79.3	19	1,592	+3.8	72.7	19	774	+19.1	86.4	12	441	+14.5	86.8	9	681	+22.7	81.8
1967	61	3,531	+1.2	77.9	19	1,633	+2.6	68.7	20	822	+6.2	87.5	12	434	−1.6	82.7	10	642	−5.7	86.0
1968	66	4,018	+13.8	75.5	20	1,817	+11.3	69.5	21	921	+12.0	82.7	14	569	+31.1	73.5	11	711	+10.7	83.1
1969	70	4,443	+10.6	75.3	20	1,957	+7.7	71.0	21	976	+6.0	78.7	15	694	+22.0	77.1	14	816	+14.8	80.0
1970	73	4,765	+7.2	74.1	21	1,850	−5.5	72.1	21	1,020	+4.5	79.4	16	829	+19.5	74.4	15	1,066	+30.6	72.1
1971	79	5,405	+13.4	72.6	23	2,021	+9.2	70.6	23	1,257	+23.2	75.2	18	975	+17.6	71.8	15	1,152	+8.1	74.0
1972	86	6,342	+17.3	68.2	24	2,238	+10.7	70.2	25	1,417	+12.7	71.5	21	1,179	+20.9	66.7	16	1,508	+30.9	63.3
1973	86	6,786	+7.0	61.3	21	2,689	+20.2	57.7	26	1,583	+11.7	62.9	23	1,244	+5.5	56.4	16	1,270	−15.8	71.7
1974	92	7,924	+16.8	56.3	21	2,689	0.0	52.5	28	1,961	+23.9	58.2	24	1,834	+47.4	51.4	19	1,440	+13.4	67.2
1975	100	9,662	+21.9	55.9	24	3,337	+24.1	51.5	28	2,252	+14.8	54.6	29	2,358	+28.6	52.3	19	1,715	+19.1	71.7
1976	106	10,809	+11.9	54.8	26	3,853	+15.5	50.8	28	2,409	+7.0	55.0	33	2,805	+19.0	51.1	19	1,742	+1.6	69.3
1977	114†	12,143	+12.3	50.3		3,994	+3.7	50.4	31†	3,001	+24.6	47.2	40	3,281	+17.0	43.6	17	1,867	+7.2	67.3
1978	119	13,105	+7.9	50.1	29	4,344	+8.8	48.9	31	3,129	+4.3	45.1	40	3,454	+5.3	46.0	19	2,178	+16.7	65.8
1979	127	14,130	+7.8	48.8	29	4,068	−6.4	48.5	32	3,796	+21.3	44.6	46	3,942	+14.1	42.5	20	2,324	+6.7	66.7
1980	137	15,053	+6.5	48.5	32	4,472	+9.9	51.1	34	4,146	+9.2	40.6	48	3,964	+0.6	43.6	23	2,471	+6.3	65.0
1981	142	16,125	+7.1	45.4	34	4,848	+8.4	43.8	37	4,254	+2.6	35.9	48	4,390	+10.7	41.3	23	2,633	+6.6	58.4
1982	151	17,085	+6.3	37.4	37	5,344	+10.2	33.2	40	4,467	+5.0	29.0	52	4,561	+5.2	38.2	24	2,713	+3.0	57.7
1983	154	18,112	+6.5	34.6	37	5,830	+9.1	30.0	40	4,680	+4.8	27.2	51	4,807	+7.3	36.0	26	2,593	−4.4	59.1
1984	166	18,822	+3.9	35.0	42	5,861	+0.5	26.9	44	4,780	+2.1	35.5	54	5,403	+12.4	29.7	26	2,778	+7.1	61.6

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

* A previously unreported program was included.

† One school shown in the total number of programs reported no enrollments for 1977.

Table 63

ENROLLMENTS OF REGISTERED NURSES IN MASTER'S PROGRAMS IN NURSING, BY NLN REGION AND STATE: 1975 TO 1984[1]

NLN REGION AND STATE	NUMBER OF ENROLLMENTS IN MASTER'S PROGRAMS									
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
United States	**9,584**	**10,721**	**12,084**	**13,087**	**14,096**	**14,994**	**15,993**	**17,004**	**18,112**	**18,822**
North Atlantic	3,337	3,853	3,994	4,344	4,068	4,472	4,848	5,344	5,830	5,861
Midwest	2,252	2,409	3,001	3,129	3,796	4,146	4,254	4,467	4,680	4,780
South	2,280	2,717	3,222	3,436	3,908	3,905	4,258	4,480	4,807	5,403
West	1,715	1,742	1,867	2,178	2,324	2,471	2,633	2,713	2,593	2,778
Alabama	103	164	194	271	311	295	375	367	296	388
Alaska	—	—	—	—	—	—	12	25	12	14
Arizona	183	186	207	224	251	279	299	278	229	236
Arkansas	13	41	56	78	110	111	128	108	115	115
California	940	956	950	1,080	1,109	1,161	1,233	1,394	1,323	1,460
Colorado	152	156	179	201	175	171	165	192	164	1,191
Connecticut	162	193	179	226	218	277	276	289	288	290
Delaware	32	24	37	51	47	77	81	109	89	76
District of Columbia	324	346	394	370	321	340	332	355	348	349
Florida	40	36	48	98	130	177	204	275	381	409
Georgia	269	314	257	266	256	270	276	273	330	351
Hawaii	30	30	51	66	51	50	56	63	63	46
Idaho	—	—	—	—	16	19	26	31	32	20
Illinois	545	625	747	809	874	951	920	914	908	834
Indiana	348	290	375	365	576	571	564	604	501	474
Iowa	90	84	76	72	86	100	95	96	107	111
Kansas	81	93	268	288	303	322	323	354	328	290
Kentucky	42	47	50	75	78	100	109	112	88	144
Louisiana	112	108	106	79	136	190	230	218	257	267
Maine	—	—	—	—	—	—	—	31	51	64
Maryland	273	273	306	354	369	387	402	422	447	430
Massachusetts	435	530	480	486	529	542	590	525	562	855
Michigan	266	286	319	281	447	512	635	642	693	676
Minnesota	156	155	223	210	259	268	259	223	250	238
Mississippi	97	54	90	90	83	61	73	100	104	104
Missouri	176	231	240	208	255	283	263	289	339	393
Montana	25	17	12	18	26	26	23	18	16	13
Nebraska	73	83	98	107	105	97	125	127	141	119
Nevada	6	—	—	—	12	33	28	33	45	39
New Hampshire	—	—	—	—	—	—	—	—	—	—
New Jersey	166	229	224	264	289	313	280	300	349	362
New Mexico	—	—	—	—	—	32	44	42	47	44
New York	1,705	1,960	2,055	2,261	2,147	2,189	2,369	2,525	2,804	2,769
North Carolina	111	134	191	264	295	228	359	359	315	599
North Dakota	—	—	—	—	—	—	—	17	26	122
Ohio	277	297	386	462	543	558	616	749	888	1,007
Oklahoma	67	65	89	94	107	122	130	152	191	189
Oregon	52	64	98	113	180	137	188	158	158	174
Pennsylvania	449	491	564	643	666	674	851	1,123	1,263	1,231
Rhode Island	64	80	61	43	51	60	57	62	76	65
South Carolina	66	111	117	159	187	185	183	192	216	220
South Dakota	—	—	—	—	—	49	29	35	56	52
Tennessee	70	96	150	193	201	258	184	216	245	241
Texas	877	1,103	1,366	1,184	1,109	1,078	1,152	1,081	1,220	1,345
Utah	58	82	102	186	161	226	248	228	219	185
Vermont	—	—	—	—	—	—	—	—	—	—
Virginia	122	145	156	192	291	409	399	487	505	485
Washington	269	251	283	310	343	333	317	264	265	326
West Virginia	18	26	31	39	45	34	54	118	97	116
Wisconsin	240	265	269	327	348	435	425	417	433	464
Wyoming	—	—	—	—	—	4	6	12	20	30
American Samoa	—	—	—	—	—	—	—	—	—	—
Guam	—	—	—	—	—	—	—	—	—	—
Puerto Rico	78	88	59	18	34	59	132	81	202	151
Virgin Islands	—	—	—	—	—	—	—	—	—	—

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Full-Time Enrollments, by Functional Area (Table 64)

- Eight schools did not report the functional areas of study of the enrolled students and graduates of their master's programs. This produced a response rate of 95 percent for sections of the questionnaire dealing with this topic.

- Advanced clinical practice continues to attract the largest proportion of full-time students—81 percent of the total. This represents an increase of almost 10 percent over the previous year (Note: Students enrolled in nurse practitioners programs are included in this category.)

- The percentage of full-time students preparing to teach declined to 6.7 percent of the total in 1984. Full-time enrollments in administration/management decreased slightly. There were also fewer full-time students in the "other" category than in previous years.

Table 64

FULL-TIME ENROLLMENTS OF NURSES IN MASTER'S PROGRAMS, BY FUNCTIONAL AREA OF STUDY: 1975 TO 1984[1]

YEAR	FULL-TIME ENROLLMENTS BY FUNCTIONAL AREA OF STUDY									
	Total Full Time		Teaching		Administration/ Management		Advanced Clinical Practice		Other	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1975	5,402	100.0	953	17.6	244	4.5	3,729	69.0	476	8.8
1976	5,924	100.0	1,323	22.3	381	6.5	3,780	63.8	440	7.4
1977	6,112	100.0	1,000	16.4	359	5.8	4,544	74.4	209	3.4
1978	6,561	100.0	882	13.4	501	7.6	4,878	74.4	300	4.4
1979	6,891	100.0	832	12.1	451	6.5	5,203	75.5	405	5.9
1980	7,306	100.0	923	12.6	579	7.9	5,480	75.0	324	4.5
1981	7,000	100.0	732	10.5	596	8.5	5,418	77.4	254	3.6
1982	6,389	100.0	638	9.9	770	12.2	4,863	76.1	118	1.8
1983	6,478	100.0	873	13.5	784	12.1	4,639	71.6	182	2.8
1984	5,706*	100.0*	382	6.7	636	11.1	4,620	81.0	67	1.2

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

* Eight programs did not respond to this section of the questionnaire.

Full-Time Enrollments in Master's Programs, by Nursing Content Area (Table 65)

- Again, eight schools did not report nursing content areas for enrolled students or graduates of master's programs. The response rate for this section of the questionnaire was 95 percent.
- Medical-surgical nursing continues to attract the largest percentage of full-time enrollments (31%), despite a decline over the past year.
- The area of maternal-child nursing has grown significantly over the past year and now represents almost 27 percent of full-time enrollments.
- The percentage of full-time students studying psychiatric and mental health nursing continues a slow downward trend begun in 1981. Community health nursing enrollment dropped 10 percent over the past year, bringing it to its 1978 and 1979 level of approximately 8 percent.

Table 65

FULL-TIME ENROLLMENTS OF NURSES IN MASTER'S PROGRAMS, BY NURSING CONTENT AREA: 1975 TO 1984[1]

YEAR	FULL-TIME ENROLLMENTS BY NURSING CONTENT AREA											
	TOTAL[2]		MEDICAL-SURGICAL		MATERNAL-CHILD		PSYCHIATRIC-MENTAL HEALTH		COMMUNITY HEALTH		OTHER (nursing service, public policy) or NOT DESIGNATED	
	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total
1975	3,729	100.0	1,213	32.5	729	19.5	903	24.2	436	11.7	448	12.0
1976	3,780	100.0	1,186	31.4	692	18.3	905	23.9	419	11.1	589	15.6
1977	4,544	100.0	1,287	28.3	878	19.3	971	21.4	377	8.3	1,033	22.7
1978	4,878	100.0	1,430	29.3	984	20.2	946	19.4	380	7.8	1,138	23.3
1979	5,203	100.0	1,891	36.3	1,279	24.6	941	18.1	796	15.3	296	5.7
1980	5,480	100.0	2,020	36.9	1,255	22.9	1,049	19.1	845	15.4	311	5.7
1981	5,418	100.0	1,856	34.3	1,287	23.7	850	15.7	787	14.5	638	11.8
1982	4,863	100.0	1,672	34.4	1,038	21.3	760	15.6	765	15.7	628	13.0
1983	4,639	100.0	1,740	37.5	818	17.6	669	14.4	801	17.3	611	13.2
1984	5,451[3]	100.0[3]	1,696	31.1	1,458	26.8	677	12.4	408	7.5	1,212	22.2

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] In 1975-1983, this table represented students preparing for advanced clinical practice only. In 1984, all students preparing for a nursing content area are included. Since the overwhelming majority of students are preparing for advanced clinical practice (see Table 64), this table still reflects trends in this data.

[3] Eight programs did not respond to this section of the questionnaire.

Part-Time Enrollments in Master's Programs, by Functional Area of Study (Table 66)

- Eight programs did not respond to this section of the questionnaire. However, the 11,725 part-time students described in this table represent 96 percent of the total part-time enrollment in all master's programs.

- As with full-time students, advanced clinical practice continues to attract the largest group of part-time master's students—68 percent of the total. Administration/management accounts for 15 percent of part-time students, and teaching for 12 percent. The remaining 5 percent are characterized as "other."

- The pattern of enrollments in the various functional areas is similar for both full- and part-time students as well as for graduating students (see also Tables 64 and 69). Advanced clinical practice is the most popular area. Administration/management is the second most frequent, and teaching attracts the smallest group.

Table 66

PART-TIME ENROLLMENTS OF NURSES IN MASTER'S PROGRAMS, BY FUNCTIONAL AREA OF STUDY: 1975 TO 1984[1]

YEAR	PART-TIME ENROLLMENTS BY FUNCTIONAL AREA OF STUDY									
	Total Part-Time		Teaching		Administration/ Management		Advanced Clinical Practice		Other	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1975	4,260	100.0	964	22.6	231	5.4	1,911	44.9	1,154	27.1
1976	4,885	100.0	1,125	23.0	381	7.8	2,373	48.6	1,006	20.6
1977	6,031	100.0	1,526	25.3	446	7.4	3,643	60.4	416	6.9
1978	6,544	100.0	1,139	17.4	766	11.7	3,665	56.0	974	14.9
1979	7,239	100.0	1,346	18.6	666	9.2	3,996	55.2	1,231	17.0
1980	7,747	100.0	1,270	16.4	806	10.4	4,788	61.8	883	11.4
1981	9,125	100.0	1,506	16.5	1,122	12.3	5,484	60.1	1,013	11.1
1982	10,696	100.0	2,021	18.9	1,583	14.8	6,525	61.0	567	5.3
1983	11,634	100.0	2,367	20.3	2,107	18.1	6,442	55.4	718	6.2
1984	11,725*	100.0*	1,415	12.1	1,775	15.1	7,950	67.8	582	5.0

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

* Eight programs did not respond to this section of the questionnaire.

Part-Time Enrollments in Master's Programs, by Nursing Content Area

- Programs responding to the survey reported nursing content areas of study for approximately 67 percent (8,178) of part-time students enrolled in master's programs (not shown in tables). The pattern of study is similar to that for full-time students and graduates. Medical-surgical nursing is the most popular area, with 42 percent of part-time students; maternal-child nursing is second, with 25 percent, followed by psychiatric-mental health nursing (12%) and community health (10%). The "other" category accounts for 11 percent of part-time enrollments.

Graduations from Master's Programs (Table 67-68)

- Graduations from master's nursing programs increased to 5,082 in 1983-84—an increase of nearly 1 percent over the previous year but still less than the 1981-82 peak of 5,149.
- Although the South reported the largest number of master's programs, the North Atlantic had the largest number of enrolled students and graduates (see also Table 62). The North Atlantic reported over 32 percent of total graduates; the South, 27 percent; the Midwest, 23 percent; and the West, 17 percent (see Table 67).
- Both the South and the North Atlantic reported increases in the number of graduations in their region—4.6 percent and 4.7 percent, respectively. Conversely, the Midwest and West reported decreases in graduations in 1984 of 5.6 percent and 3.5 percent, respectively (see Table 67).
- Examination of the five-year trend in the number of graduations from master's programs reveals an increase from 4,755 in 1979-80 to 5,082 in 1983-84—an increase of almost 7 percent. Over the past ten years, the number of master's graduations have jumped nearly 90 percent.

Table 67

GRADUATIONS FROM MASTER'S PROGRAMS AND PERCENTAGE CHANGE FROM PREVIOUS YEAR, BY NLN REGION: 1964-65 TO 1983-84[1]

ACADEMIC YEAR	ALL REGIONS			NORTH ATLANTIC			MIDWESTERN			SOUTHERN			WESTERN		
	Number of Programs	Graduations Number	Graduations Percent Change	Number of Programs	Graduations Number	Graduations Percent Change	Number of Programs	Graduations Number	Graduations Percent Change	Number of Programs	Graduations Number	Graduations Percent Change	Number of Programs	Graduations Number	Graduations Percent Change
1964-65	56	1,379	+7.8	18	615	+3.3	18	273	0.0	10**	179	+49.2	9	312	+2.0
1965-66	59	1,279	-7.3	19	594	-3.4	19	257	-5.9	12	156	-12.8	9	272	-12.8
1966-67	61	1,534	+19.9	19	656	+10.4	20	317	+23.3	12	187	+19.9	10	374	+37.5
1967-68	66	1,615	+5.3	20	662	+0.9	21	320	+0.9	14	247	+32.1	11	386	+3.2
1968-69	70	1,766	+9.3	20	690	+4.2	21	377	+17.8	15	279	+13.0	14	420	+8.8
1969-70	73	1,988	+12.6	21	857	+24.2	21	424	+12.5	16	311	+11.5	15	396	-5.7
1970-71	79	2,082	+4.7	23	787	-8.2	23	391	-7.8	18	380	+22.2	15	524	+32.3
1971-72	86	2,118	+1.7	24	725	-7.9	25	503	+28.6	21	369	-2.9	16	521	-0.6
1972-73	86	2,430	+14.7	22	818	+12.8	26	483	-4.0	22	552	+50.0	16	577	+10.7
1973-74	92	2,624	+8.0	21	911	+11.4	28	539	+11.6	24	603	+9.2	19	571	-1.0
1974-75	100	2,678	+2.1	24	955	+4.8	28	516	-4.3	29	642	+6.5	19	565	-1.0
1975-76	106	3,417	+27.6	26	1,186	+24.2	28	688	+33.3	33	854	+33.0	19	689	+21.9
1976-77	102	3,800	+11.2	24	1,284	+8.3	28	857	+24.6	33	1,027	+20.3	17	632	-8.3
1977-78	109	4,255	+12.0	28	1,573	+22.5	24	915	+6.8	37	1,145	+11.5	17	622	-1.6
1978-79	118	4,596	+8.0	27	1,630	+3.6	32	986	+7.8	41	1,307	+14.1	18	673	+8.2
1979-80	121	4,755	+3.5	29	1,565	-4.0	32	1,068	+8.3	41	1,333	+2.0	19	789	+17.2
1980-81	127	4,998	+5.1	30	1,472	-5.9	30	1,207	+13.0	46	1,510	+13.3	21	809	+2.5
1981-82	138	5,149	+3.0	32	1,530	+3.9	34	1,289	+6.8	48	1,463	-3.1	24	867	+7.1
1982-83	141	5,039	-2.1	34	1,565	+2.3	38	1,230	-4.6	45	1,325	-9.4	24	919	+6.0
1983-84	154‡	5,082	+0.9	40	1,641	+4.7	44	1,165	-5.6	52	1,388	+4.6	26	888	-3.5

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.
** Two programs had not yet graduated their first class at time of reporting.
‡ A previously unreported program was included.

Table 68

GRADUATIONS OF REGISTERED NURSES FROM MASTER'S PROGRAMS IN NURSING, BY NLN REGION AND STATE: 1974-75 TO 1983-84[1]

NLN REGION AND STATE	NUMBER OF GRADUATIONS FROM MASTER'S PROGRAMS									
	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84
United States	**2,678**	**3,417**	**3,800**	**4,255**	**4,596**	**4,755**	**4,998**	**5,149**	**5,039**	**5,082**
North Atlantic	955	1,186	1,284	1,573	1,630	1,565	1,472	1,530	1,565	1,641
Midwest	516	688	857	915	986	1,068	1,207	1,289	1,230	1,165
South	642	854	1,027	1,145	1,307	1,333	1,510	1,463	1,325	1,388
West	565	689	632	622	673	789	809	867	919	888
Alabama	36	50	59	64	97	166	175	179	148	107
Alaska	—	—	—	—	—	—	—	—	9	1
Arizona	36	56	39	34	57	71	60	85	79	64
Arkansas	12	14	24	18	19	25	28	25	24	16
California	329	360	321	327	310	376	356	377	439	479
Colorado	73	108	100	99	110	104	111	79	101	83
Connecticut	44	54	66	75	80	94	100	110	108	101
Delaware	10	15	12	4	17	15	18	23	37	32
District of Columbia	64	39	110	89	129	118	106	130	117	94
Florida	35	39	44	39	47	34	71	62	33	50
Georgia	110	173	222	223	181	151	138	125	96	114
Hawaii	10	16	10	18	19	15	21	22	18	25
Idaho	—	—	—	—	—	—	3	4	5	5
Illinois	117	183	194	273	234	257	310	374	314	252
Indiana	41	60	91	75	141	114	160	157	197	180
Iowa	42	58	37	31	26	13	28	12	20	18
Kansas	7	10	21	19	45	50	66	63	64	98
Kentucky	25	25	25	31	38	50	48	57	54	59
Louisiana	17	55	29	33	33	38	39	33	80	55
Maine	—	—	—	—	—	—	—	—	—	—
Maryland	110	87	105	106	113	95	111	107	122	110
Massachusetts	284	253	306	363	358	361	283	296	255	218
Michigan	98	103	174	117	119	175	140	156	137	138
Minnesota	50	40	79	93	62	88	105	102	97	100
Mississippi	24	31	50	45	71	59	41	34	42	46
Missouri	37	59	63	75	79	80	84	77	75	68
Montana	5	6	5	4	4	7	14	9	6	1
Nebraska	13	16	24	23	34	38	38	28	36	27
Nevada	—	7	—	—	—	—	6	3	5	7
New Hampshire	—	—	—	—	—	—	—	—	—	—
New Jersey	9	19	30	34	39	63	71	61	77	75
New Mexico	—	—	—	—	—	9	4	8	11	13
New York	419	554	557	571	575	661	607	581	564	691
North Carolina	67	67	67	96	83	81	138	104	120	98
North Dakota	—	—	—	—	—	—	—	—	0	4
Ohio	85	98	111	128	152	181	160	195	165	168
Oklahoma	13	20	21	33	36	31	51	42	30	44
Oregon	9	9	19	16	28	59	52	78	68	52
Pennsylvania	108	172	161	203	237	241	263	306	388	414
Rhode Island	17	21	20	24	19	17	22	23	19	16
South Carolina	21	19	44	32	56	52	60	62	38	89
South Dakota	—	—	—	—	—	—	—	6	11	15
Tennessee	36	47	69	76	107	131	104	117	70	94
Texas	122	180	214	310	351	325	341	289	277	298
Utah	21	22	13	23	32	36	42	61	83	62
Vermont	—	—	—	—	—	—	—	—	—	—
Virginia	30	44	44	31	53	77	165	156	170	193
Washington	82	108	115	83	113	117	137	139	114	95
West Virginia	—	—	9	6	13	16	8	11	27	25
Wisconsin	26	51	74	80	97	82	116	123	114	107
Wyoming	—	—	—	—	—	—	—	1	1	1
American Samoa	—	—	—	—	—	—	—	—	—	—
Guam	—	—	—	—	—	—	—	—	—	—
Puerto Rico	15	20	30	18	25	33	28	44	46	54
Virgin Islands	—	—	—	—	—	—	—	—	—	—

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico and the Virgin Islands.

Graduations from Master's Programs, by Functional Area (Table 69)

- Eight programs failed to respond to this section of the questionnaire. The 4,669 graduates that were classified by functional area of study represent 92 percent of the total graduates.

- As with enrollments, the largest group of master's graduates chose advanced clinical practice as their functional area of study—almost 76 percent of the total. This represents an almost 6 percent increase over the previous year.

- A 1 percent increase in graduations in administration/management was recorded in 1983-84. Decreasing proportions of graduates were majoring in teaching or other areas.

Table 69

GRADUATIONS OF NURSES FROM MASTER'S PROGRAMS, BY FUNCTIONAL AREA OF STUDY: 1974-75 TO 1983-84[1]

YEAR	GRADUATIONS BY FUNCTIONAL AREA OF STUDY									
	TOTAL		TEACHING		ADMINISTRATION/ MANAGEMENT		ADVANCED CLINICAL PRACTICE		OTHER	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1974-75	2,694	100.0	769	28.6	217	8.0	1,632	60.6	76	2.8
1975-76	3,437	100.0	895	26.0	309	9.0	2,016	58.7	217	6.3
1976-77	3,830	100.0	944	24.7	269	7.0	2,468	64.4	149	3.9
1977-78	4,271	100.0	974	22.8	416	9.7	2,675	62.7	206	4.8
1978-79	4,621	100.0	946	20.5	351	7.6	3,000	64.9	324	7.0
1979-80	4,778	100.0	794	16.6	392	8.2	3,342	70.0	250	5.2
1980-81	5,026	100.0	862	17.2	405	8.0	3,577	71.2	182	3.6
1981-82	5,193	100.0	670	12.9	690	13.3	3,806	73.3	27	0.5
1982-83	5,085	100.0	834	16.4	620	12.2	3,558	70.0	73	1.4
1983-84	4,669*	100.0*	475	10.2	619	13.2	3,545	75.9	30	0.6

[1] Until 1983-84, data on American Samoa, Guam, Puerto Rico, and the Virgin Islands were included.
* Eight programs did not respond to this section of the questionnaire.

Graduations from Master's Programs, by Nursing Content Area (Table 70)

- The proportions of master's graduates in each nursing content area are similar to those reported for enrollment (see Table 65). The largest group of graduates studied medical-surgical nursing (33%), followed by maternal-child nursing (26%), psychiatric-mental health nursing (12%), and community health nursing (7%). The remaining 22 percent of graduates have been characterized as "other."
- The proportion of graduates in medical-surgical nursing has remained fairly stable over the past six years, between 33 and 36 percent of all graduates. The proportion studying maternal-child nursing increased 10 percent over the past year to 26 percent, and the percentage in psychiatric-mental health nursing fell slightly to 12 percent. The percentage of graduates in community health fell by half to 7 percent since 1982-83, while the proportion in the "other" category remains the same (22%).

Table 70

GRADUATIONS OF NURSES FROM MASTER'S PROGRAMS, BY NURSING CONTENT AREA: 1974-1975 TO 1983-1984[1]

ACADEMIC YEAR	GRADUATIONS BY NURSING CONTENT AREA: TOTAL Number	TOTAL Percent of Total	MEDICAL-SURGICAL Number	MEDICAL-SURGICAL Percent of Total	MATERNAL-CHILD Number	MATERNAL-CHILD Percent of Total	PSYCHIATRIC-MENTAL HEALTH Number	PSYCHIATRIC-MENTAL HEALTH Percent of Total	COMMUNITY HEALTH Number	COMMUNITY HEALTH Percent of Total	OTHER (nursing service, public school) or NOT DESIGNATED Number	OTHER (nursing service, public school) or NOT DESIGNATED Percent of Total
1974-75	2,694	100.0	811	30.1	487	18.1	551	20.5	359	13.3	486	18.0
1975-76	3,437	100.0	969	28.2	574	16.7	620	18.0	329	9.6	945	27.5
1976-77	3,830	100.0	1,307	25.3	571	14.9	678	17.7	364	9.5	1,022	21.4
1977-78	4,271	100.0	1,271	29.8	695	16.3	732	17.1	284	6.6	1,289	30.2
1978-79	4,621	100.0	1,642	35.5	736	15.9	725	15.7	526	11.4	992	21.5
1979-80	4,778	100.0	1,678	35.1	823	17.2	781	16.4	627	13.1	869	18.2
1980-81	5,026	100.0	1,790	35.6	945	18.8	791	15.7	655	13.0	845	16.8
1981-82	5,193	100.0	1,775	34.2	942	18.1	787	15.2	724	13.9	965	18.6
1982-83	5,085	100.0	1,704	33.5	825	16.2	674	13.3	772	15.2	1,110	21.8
1983-84	4,390*	100.0*	1,436	32.7	1,152	26.2	548	12.5	306	7.0	948	21.6

[1] Until 1983-84, data on American Samoa, Guam, Puerto Rico, and the Virgin Islands were included.

* Eight programs did not respond to this section of the questionnaire.

Ratio of Graduations from Master's Programs to Graduations from Baccalaureate Programs (Table 71)

- The ratio of master's to baccalaureate students has remained steady since 1980-81. For every 6.5 students who graduated from a baccalaureate program, where was one master's graduate (Table 71).

Table 71

RATIO OF GRADUATIONS FROM MASTER'S PROGRAMS TO GRADUATIONS FROM BACCALAUREATE PROGRAMS IN NURSING: 1964-65 TO 1983-84[1]

ACADEMIC YEAR	NUMBER OF GRADUATIONS				RATIO OF GRADUATIONS Master's to Baccalaureate in Nursing
	Master's	Baccalaureate			
		Basic	RN	Total	
1964-65	1,379	5,381	2,254	7,635	1–5.5
1965-66	1,279	5,498	2,386	7,884	1–6.2
1966-67	1,534	6,131	2,262	8,393	1–5.5
1967-68	1,615	7,145	2,164	9,309	1–5.8
1968-69	1,766	8,381	2,176	10,557	1–6.0
1969-70	1,988	9,105	2,413	11,518	1–5.8
1970-71	2,083	9,913	2,214	12,127	1–5.8
1971-72	2,135	11,027	2,337	13,364	1–6.3
1972-73	2,446	13,132	2,681	15,813	1–6.5
1973-74	2,643	17,049	3,003	20,052	1–7.6
1974-75	2,694	20,241	3,791	24,032	1–8.9
1975-76	3,437	22,678	4,759	27,437	1–8.0
1976-77	3,830	23,632	5,445	29,077	1–7.6
1977-78	4,271	24,497	6,146	30,643	1–7.2
1978-79	4,621	25,349	6,480	31,829	1–6.9
1979-80	4,778	25,411	7,365	32,776	1–6.9
1980-81	5,026	24,804	8,416	33,220	1–6.6
1981-82	5,193	24,523	9,326	33,849	1–6.5
1982-83	5,085	24,398	9,118	33,516	1–6.6
1983-84	5,082	23,718	10,185	33,803	1–6.5

[1] Until 1983-84, data on American Samoa, Guam, Puerto Rico, and the Virgin Islands were included.

Enrollments and Graduations of Men and Minority Students in Master's Programs (Table 72)

- With the 1984 survey, NLN is reporting data on the numbers of men and minorities in graduate programs for the first time. We plan to continue reporting this data so that trends can be uncovered.

- Of the programs responding to the survey, 137 master's programs reported data on male and minority students. This figure represents 83 percent of all master's nursing programs.

- All percentages reported in this section are approximate since the number of male and minorities has been based on the total number of enrollments and graduations rather than on only the enrollments and graduations of those programs that responded to this section of the questionnaire.

- Men constituted 3.4 percent of total enrollments in master's nursing programs and 3 percent of the graduates. Blacks represent 3.6 percent of enrollments and 3 percent of the graduations.

- The percentage of Hispanics who were both enrolled in and graduated from master's programs in nursing in 1984 was approximately 1 percent. Asians constituted slightly more than 1 percent of the enrollments and graduations, and American Indians represented less than 0.5 percent of both enrollments and graduations.

Table 72
ENROLLMENTS AND GRADUATIONS OF MEN AND MINORITY STUDENTS IN MASTER'S PROGRAMS, BY NLN REGION, 1984[1]

NLN REGION	NUMBER OF PROGRAMS RESPONDING	MEN		BLACKS		HISPANIC		ASIAN		AMERICAN INDIAN	
		Enrollments	Graduations	Enrollments	Graduations	Enrollments	Graduations	Enrollments	Graduations	Enrollments	Graduations
All Regions	**137**	**644**	**152**	**683**	**154**	**201**	**41**	**235**	**77**	**46**	**24**
North Atlantic	31	150	47	122	33	36	14	51	23	4	6
Midwestern	36	130	28	147	22	27	5	42	17	8	0
Southern	49	252	51	362	84	69	5	56	7	11	5
Western	21	112	26	52	15	69	17	86	30	23	13

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Enrollments and Graduations from Nurse Practitioner Programs (Table 73)

- This is the first year that the NLN is reporting data on the numbers of students enrolled and graduated from formal nurse practitioner programs at the master's level.

- The total number of students enrolled in formal nurse practitioner programs in 1984 was 2,734—accounting for approximately 15 percent of total enrollments in master's nursing programs. The number of graduates from these programs totals 841—about 17 percent of total graduations. (Note: These students are also included in the advanced clinical practice functional area in Tables 64, 66, and 69).

- Specialization in family practice attracted the largest group of students both enrolled in and graduated from nurse practitioner programs—31 percent (847) of enrollments and 27 percent (228) of graduates.

- The second most popular area in formal nurse practitioner programs was adult practice, with 25 percent (673) of the enrolled students and 24 percent (205) of the graduates.

- Smaller proportions of students and graduates were found in the specialties of pediatrics (12 percent of enrollments and 13 percent of graduates); gerontology (9 percent of enrollments and 10 percent of graduates); midwifery (7 percent of enrollments and 8 percent of graduates); women's health (5 percent of enrollments and 6 percent of graduates); and school nursing (1 percent of enrollments and 1 percent of graduates). The remaining 10 percent of both enrollments and graduations are characterized as "other."

Table 73

ENROLLMENTS AND GRADUATIONS FROM NURSE PRACTITIONER PROGRAMS, BY NLN REGION AND STATE AND SPECIALIZATION: 1984[1]

NLN REGION AND STATE	ADULT		FAMILY		GERONTOLOGY		MIDWIFERY		PEDIATRICS		SCHOOL		WOMEN'S HEALTH		OTHER	
	Enrollments	Graduations	Enrollments	Graduations	Enrollments	Graduations	Enrollments	Graduations	Enrollments	Graduations	Enrollments	Graduations	Enrollments	Graduations	Enrollments	Graduations
United States	**673**	**205**	**847**	**228**	**250**	**88**	**183**	**70**	**328**	**111**	**37**	**8**	**150**	**48**	**266**	**83**
North Atlantic	224	102	339	62	134	47	53	27	133	51	16	4	71	23	122	37
Midwestern	123	41	112	26	15	12	47	19	30	14	—	—	—	—	41	13
Southern	270	45	218	78	43	4	39	18	85	13	16	—	48	6	57	6
Western	56	17	178	62	58	25	44	6	80	33	5	4	31	19	46	27
Alabama	60	—	10	9	—	—	—	—	19	—	—	—	—	—	—	1
Alaska	—	—	6	—	—	—	—	—	—							
Arizona	—	—	9	7	—	—	—	—	2	3	—	—	—	—	—	—
Arkansas	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
California	18	14	133	51	11	9	35	4	50	20	5	4	25	18	22	21
Colorado	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Connecticut	—	—	27	11	4	—	28	15	19	11	—	—	—	—	—	—
Delaware	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
District of Columbia	31	7	—	—	—	—	—	—	16	9	—	—	—	—	—	—
Florida	85	8	27	12	5	3	17	6	26	1	16	—	31	5	33	5
Georgia	—	—	35	4	—	—	22	12	—	—	—	—	—	—	4	—
Hawaii	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Illinois	67	27	—	—	5	2	22	9	—	—	—	—	—	—	41	13
Indiana	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Iowa	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Kansas	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Kentucky	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20	0
Louisiana	—	—	13	0	—	—	—	—	—	—	—	—	—	—	—	—
Maine	—	—	—	—	—	—	—	—	—							
Maryland	36	7	—	—	—	—	—	—	12	6	—	—	5	0	—	—
Massachusetts	39	25	43	12	16	21	—	—	7	4	—	—	—	—	6	1
Michigan	47	4	47	4	10	10	—	—	11	4	—	—	—	—	—	—
Minnesota	—	—	—	—	—	—	25	10	—	—	—	—	—	—	—	—
Mississippi	—	—	18	9	12	—	—	—	—	—	—	—	—	—	—	—
Missouri	—	—	28	8	—	—	—	—	—	—	—	—	—	—	—	—
Montana	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Nebraska	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Nevada	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
New Hampshire	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
New Jersey	34	6	—	—	43	7	—	—	40	9	16	4	—	—	—	—
New Mexico	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
New York	107	36	150	4	44	12	—	—	24	6	—	—	43	4	116	36
North Carolina	—	—	40	15	—	—	—	—	—	—	—	—	—	—	—	—
North Dakota	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Ohio	—	—	—	—	—	—	—	—	8	3	—	—	—	—	—	—
Oklahoma	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Oregon	38	24	—	—	—	—	9	2	—	6	—	—	6	1	24	6
Pennsylvania	13	4	100	34	27	7	25	12	27	12	—	—	28	19	—	—
Rhode Island	—	—	19	1	—	—	—	—	—	—	—	—	—	—	—	—
South Carolina	—	—	2	6	—	—	—	—	—	—	—	—	—	—	—	—
South Dakota	3	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tennessee	70	29	7	3	—	—	—	—	—	—	—	—	—	—	—	—
Texas	9	0	35	8	14	0	—	—	17	3	—	—	—	—	—	—
Utah	0	3	24	3	10	7	—	—	11	1	—	—	—	—	—	—
Vermont	—	—	—	—	—	—	—	—	—							
Virginia	10	1	31	12	12	1	—	—	11	3	—	—	12	1	—	—
Washington	—	—	—	—	37	9	—	—	17	3	—	—	—	—	—	—
West Virginia	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Wisconsin	6	9	37	14	—	—	—	—	11	7	—	—	—	—	—	—
Wyoming	—	—	6	1	—	—	—	—	—	—	—	—	—	—	—	—
American Samoa	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Guam	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Puerto Rico	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

RN Faculty

SUMMARY AND RESULTS OF NURSE FACULTY CENSUS

Since 1962, the National League for Nursing has conducted a biennial survey of all nursing education programs that is designed to monitor trends and changes in the profession as they pertain to nurse faculty. Each survey contains questions designed to monitor the trends occurring in nursing education that affect faculty as well as some questions that reflect social and economic challenges to nursing education.

The 1986 questionnaire was modified from earlier versions to provide information on credentials of associate or assistant administrators and graduate faculty, ethnic background of administrators, percentage of faculty whose highest degree is in nursing, and the role of part-time faculty and faculty with joint appointments. Additional information was also obtained on areas of the questionnaire that were new in 1984, including computer technology, salaries of faculty and administrators, faculty workload, and number of male faculty.

Methodology

The Faculty Census questionnaire was mailed in early 1986 to 1,679 nursing education programs, including 1,519 basic programs and 160 baccalaureate and higher degree programs that admit only registered nurses. Responses were to reflect data as of January 1986.

The questionnaire included the following areas: (1) educational preparation of nursing education administrators and associate or assistant administrators; (2) number of full-time and part-time nurse faculty and non-nurse faculty in nursing education programs; (3) highest earned credential of full-time and part-time nurse faculty; (4) highest earned credential of full-time and part-time graduate faculty; (5) unfilled budgeted positions for nurse faculty; (6) number of male faculty members; (7) ethnic background of faculty and administrators; (8) faculty workload; (9) role of part-time faculty; (10) integration of computer technology; and (11) rank and salaries of full-time faculty.

A supplement to the 1986 Faculty Census asked each program that offers both baccalaureate and graduate programs to indicate the number and highest credential of faculty assigned to teaching (1) exclusively in baccalaureate programs, (2) in *both* baccalaureate and master's programs, and (3) exclusively in master's degree programs.

Response Rate

Of the total of 1,654 programs, 1,474 responded, for a response rate of 87.8 percent. The response rate for each of the subsections of the questionnaire varied.

Analysis of Data

The analysis of the data examined differences in the responses by type of program, NLN region and state, type of institutional support, and accreditation status. In many instances, because of the large number of programs studied, differences may be statistically significant when the actual differences among the types of programs or regions is not great. In looking at the data presented, therefore, the percentages and relationships between the numbers should be of primary interest, rather than the absolute numbers, since the percentage of respondents in each year and in each category fluctuates.

Population

The total number of basic nursing education programs has increased steadily since 1956. Although fewer programs were reported in 1986 than in 1984, this did not reflect an actual decrease in number of programs. Rather, it was primarily the result of recoding baccalaureate and higher degree programs that admit registered nurses only to consolidate separate programs with the same administration into one program listing. There was a slight increase in the number of basic (generic) nursing programs in the last two years, from 1,492 to 1,495 programs. Although the number of diploma programs decreased, the decline was balanced by the increase in generic baccalaureate and associate degree programs. This number of basic programs is again the highest ever.

Number of Faculty in Nursing Education

An overall decrease in the number of full-time and part-time faculty was reported in 1986. Much of this change is due to decreases in full-time faculty in baccalaureate and higher degree programs and the even larger decrease in both full-time and part-time faculty in diploma programs (see Table F-3). Based on a projected 100 percent return rate, the estimated number of full-time faculty is 20,361 and the estimated number of part-time faculty is 6,478.

For the first time there has been an estimated decrease in the number of full-time faculty in baccalaureate and higher degree programs. The number of part-time faculty continues to increase, but not at as high a rate as reported in 1984.

In diploma programs, the estimated 23.7 percent decrease in full-time faculty and 28.9 percent decrease in part-time faculty reflects the decreases in enrollments and the number of programs that have announced their closing in the last two years.

A variety of factors affecting nursing education today are causing a decrease in admissions and enrollment and a resulting decrease in the number of programs and faculty. These decreases are just beginning to be felt among nursing faculty. The growing concern with the economics of nursing education has encouraged the increased use of part-time faculty. Part-time faculty are less costly, since they usually do not receive fringe benefits, nor are they paid for such faculty responsibilities as research, advisement, counseling, and committee work. Part-time faculty also provide greater flexibility for the program in adjusting to changes in enrollment, since they usually are not tenured and their continued appointment is based on student enrollment, often semester by semester. The trend toward using part-time faculty is apparent in higher education in general.

Unfilled Faculty Positions

The number of unfilled full-time positions in baccalaureate and higher degree programs is slightly higher in 1986, at 4.5 per 100 faculty members, an increase of 0.3 compared with 1984. In associate degree programs, the unfilled positions per 100 reported faculty remained the same. In diploma programs, there was a decrease in the last two years from 3.5 to 2.5 unfilled positions per 100 faculty.

Faculty Credentials

The trend toward a better educated faculty continues in all types of nursing education programs. The percentages of faculty with doctorates and graduate education continues to increase. Ninety-one percent of the faculty with doctoral degrees and 51 percent of the faculty with master's degrees teach in baccalaureate and higher degree programs. Ninety-eight percent of all full-time faculty have graduate preparation.

Among the faculty teaching only at the graduate level, 63.5 percent have a doctorate. In baccalaureate and higher degree programs, 24 percent of the faculty now have an earned doctorate. Of those in baccalaureate and higher degree programs with a doctorate, 35.7 had a major in nursing. Also in baccalaureate and higher degree programs, 94.9 percent of those with a master's and 97.0 percent of those with a bachelor's degree majored in nursing. In associate degree programs, 80 percent of the master's degrees are in nursing, as compared with 63.3 percent in diploma programs.

Administrators' Credentials

Forty-two percent of all administrators and 77 percent of baccalaureate and higher degree program administrators have an earned doctorate. Between 1984 and 1986, the percentage of doctorally prepared administrators continued to increase.

Ethnic Background of Faculty

In 1986, 9.1 percent of all full-time nursing faculty were members of an ethnic minority, remaining about the same as in 1984. In 1982, 8.5 percent were members of an ethnic minority. On the average, less than one faculty member in each program is from an ethnic minority.

Number of Male Faculty

Males made up 3.3 percent of all full-time faculty and 6.3 percent of part-time faculty. Overall, there is less than one full-time male faculty member for every two nursing programs and one part-time male faculty member for every three nursing programs. This represents a slight increase in the proportion of males over 1984.

Faculty Workload

Analysis of faculty workload shows that most faculty in nursing education programs teach between three and five hours in the classroom a week. In most basic nursing education programs, faculty spend from 12 to 17 hours a week in clinical teaching. Diploma programs have a significantly higher number of hours of clinical teaching, with a mean and median of 18 hours a week.

Very few programs listed nursing practice as part of the expected faculty weekly workload. It was cited mostly in baccalaureate and higher degree programs, but by only 44 percent of these programs. The median number of clinical practice hours per week for each type of program remained zero.

Nursing research was included in the typical faculty workload mostly in baccalaureate and higher degree programs. In these programs, faculty research hours were more apt to be listed by graduate programs, where the average number of hours per week devoted to research was 4.9, in contrast with 1.9 hours per week for undergraduate faculty.

Computer Technology

As might be expected, computer technology has been increasingly integrated into nursing education over the last two years. While 87 percent of the programs reported that they had faculty members who attended conferences on computers during 1985-86, 37 percent reported that they had no faculty integrating computers into nursing courses. Sixteen percent reported that they had at least one nurse faculty member prepared to teach computer applications. Only 13 percent of all nursing programs and 19 percent of baccalaureate and higher degree programs currently require courses in computer technology as part of the curriculum.

A variety of factors should continue to create a major increase in the role of computer applications in nursing education in the next few years, including economic influences on nursing education, concern with the clinical resources for teaching, the influence of faculty members who are learning about computers, and the employment of faculty with expertise in computers.

Salaries in Nursing Education

Administrators' salaries continue to be highest in baccalaureate degree programs with generic students. Programs that admit registered nurses only have a greater range of salaries; however, the distribution is skewed, with most salaries at the lower end of the scale.

Faculty and administrators with doctoral preparation have higher mean salaries, particularly at the higher ranks. Administrators' mean salaries for each type of program are $4,000 to $10,000 higher for those with doctorates rather than master's degrees.

The salaries of nursing faculty in higher education were also compared with the mean salaries reported by the American Association of University Professors (AAUP) for the 1985-86 academic year. This comparison showed that nursing faculty with doctoral degrees tended to have salaries similar to those of other faculty in higher education. The salaries of administrators of baccalaureate and higher degree programs, in general, tended to be higher than the mean salaries for AAUP full professors.

Program Information

Number of Nursing Education Programs by Region (Table 1)

- This table presents the population of responding nursing programs by program type and NLN region (see "Jurisdictions Included in the NLN Regions") as of January 1986. Additional information on nursing programs can be found in the current issue of the *Nursing Student Census* and the *Nursing Data Review*.
- There is considerable regional variation in the distribution of programs. For example, associate degree programs represent 65.4 percent of all nursing education programs in the West, while in contrast, in the North Atlantic, associate degree programs represent only 34.3 percent of programs.
- In the West, 1.8 percent of the nursing education programs are diploma programs, whereas, 27 percent of all programs in the North Atlantic are diploma programs.
- Baccalaureate and higher degree programs constitute 37 percent of all nursing educational programs. Although the percentage of baccalaureate and higher degree programs is similar across regions, the North Atlantic had the highest percent (38.8%), and the West had the lowest (32.9%).

Table 1
NUMBER OF NURSING EDUCATION PROGRAMS, BY NLN REGION

NLN REGION	All Programs		Diploma Programs		Associate Degree Programs		Baccalaureate and Higher Degree Programs			
							Generic		Non-Generic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Regions	1,654	100	256	15.5	787	47.6	452	27.3	159	9.6
North Atlantic	400	100	108	27.0	137	34.3	107	26.8	48	12.0
Midwestern	481	100	97	20.2	205	42.6	131	27.2	48	10.0
Southern	520	100	47	9.0	285	54.8	151	29.0	37	7.1
Western	228	100	4	1.8	149	65.4	50	21.9	25	11.0
Territories	25	100	0	0.0	11	44.0	13	52.0	1	0.4

Number of Nursing Education Programs by State (Table 2)

- Table 2 presents the number of existing nursing education programs by program type and state, as of January 1986.
- New York, California, and Pennsylvania had the largest overall number of nursing education programs, with more than 100 programs in each state.
- California and New York had the highest number of both associate degree programs and baccalaureate programs, while Pennsylvania had the greatest number of diploma programs.

Table 2
NUMBER OF NURSING EDUCATION PROGRAMS, BY STATE

JURISDICTION	TOTAL NUMBER OF PROGRAMS	Diploma Programs	Associate Degree Programs	Baccalaureate and Higher Degree Programs	
				Generic	Non-Generic
Alabama	37	3	20	13	1
Alaska	2	0	1	1	0
Arizona	17	0	12	4	1
Arkansas	21	2	11	7	1
California	101	2	69	21	9
Colorado	17	2	7	5	3
Connecticut	22	5	6	7	4
Delaware	7	1	3	2	1
District of Columbia	6	0	1	5	0
Florida	45	1	26	12	6
Georgia	35	2	19	13	1
Hawaii	6	0	4	0	2
Idaho	8	0	5	1	2
Illinois	82	20	34	22	6
Indiana	42	6	18	13	5
Iowa	43	9	20	10	4
Kansas	32	3	17	10	2
Kentucky	31	0	20	8	3
Louisiana	23	4	6	12	1
Maine	12	2	5	3	2
Maryland	27	5	14	6	2
Massachusetts	55	14	19	14	8
Michigan	52	5	32	13	2
Minnesota	29	3	12	10	4
Mississippi	22	1	14	7	0
Missouri	48	10	20	11	7
Montana	4	0	2	2	0
Nebraska	16	5	2	7	2
Nevada	6	0	4	1	1
New Hampshire	11	2	6	3	0
New Jersey	47	18	14	7	8
New Mexico	15	0	11	1	3
New York	117	18	55	32	12
North Carolina	59	5	40	12	2
North Dakota	10	3	2	4	1
Ohio	81	26	29	15	11
Oklahoma	28	0	16	11	1
Oregon	18	0	13	4	1
Pennsylvania	108	46	22	30	11
Rhode Island	7	2	2	3	0
South Carolina	22	1	13	6	2
South Dakota	9	2	4	3	0
Tennessee	38	7	17	9	5
Texas	69	2	42	21	4
Utah	4	0	1	3	0
Vermont	7	0	4	1	2
Virginia	43	12	16	9	6
Washington	25	0	16	6	3
West Virginia	20	2	11	5	2
Wisconsin	37	5	15	13	4
Wyoming	5	0	4	1	0
American Samoa	1	0	1	0	0
Guam	2	0	1	0	1
Puerto Rico	20	0	8	12	0
Virgin Islands	2	0	1	1	0
TOTAL	1,654	256	787	452	159

Number of Faculty and Unfilled Positions

Full-Time and Part-Time Faculty by State (Table F-1)

- Table F-1 presents data on all nursing education programs, including those programs that admit only registered nurses to complete the baccalaureate or higher degree.

- Part-time faculty constitute 24 percent of all nurse faculty. The highest percentage of part-time faculty are in associate degree programs (28%), followed by baccalaureate degree programs (24%), and diploma programs (15%).

Table F-1

TOTAL NUMBER OF FULL-TIME AND PART-TIME FACULTY, BY TYPE OF PROGRAM AND STATE: ALL GENERIC AND NON-GENERIC PROGRAMS

JURISDICTION	TOTAL NUMBER OF PROGRAMS	NUMBER OF PROGRAMS REPORTING	FACULTY IN ALL PROGRAMS		BACCALAUREATE & HIGHER DEGREE PROGRAMS		ASSOCIATE DEGREE PROGRAMS		DIPLOMA PROGRAMS	
			Full-Time	Part-Time	Full-Time	Part-Time	Full-Time	Part-Time	Full-Time	Part-Time
Alabama	37	31	417	57	278	31	126	21	13	5
Alaska	2	2	25	10	19	2	6	8	0	0
Arizona	17	16	203	177	129	126	74	51	0	0
Arkansas	21	21	196	46	83	16	77	29	36	1
California	101	90	1,162	448	614	292	511	156	37	0
Colorado	17	14	135	83	92	43	35	38	8	2
Connecticut	22	18	216	109	143	59	28	28	45	22
Delaware	7	6	86	28	56	14	30	14	0	0
District of Columbia	6	6	115	36	105	35	10	1	0	0
Florida	45	36	432	151	143	49	263	102	26	0
Georgia	35	31	337	82	194	39	109	35	34	8
Hawaii	6	4	46	17	27	9	19	8	0	0
Idaho	8	7	57	13	22	4	35	9	0	0
Illinois	82	76	860	174	338	79	296	63	226	32
Indiana	42	38	523	151	326	83	142	53	55	15
Iowa	43	32	289	125	156	71	61	42	72	12
Kansas	32	29	254	59	140	43	99	16	15	0
Kentucky	31	25	244	60	105	33	139	27	0	0
Louisiana	23	22	343	27	189	15	66	3	88	9
Maine	12	10	106	23	77	11	22	10	7	2
Maryland	27	23	236	105	72	26	133	73	31	6
Massachusetts	55	50	636	250	280	146	163	74	193	30
Michigan	52	49	562	382	260	149	231	224	71	9
Minnesota	29	27	234	106	148	48	76	40	10	18
Mississippi	22	20	245	25	126	21	114	4	5	0
Missouri	48	39	445	128	212	62	101	54	132	12
Montana	4	4	75	21	65	12	10	9	0	0
Nebraska	16	15	212	50	120	25	30	13	62	12
Nevada	6	4	46	10	24	5	22	5	0	0
New Hampshire	11	6	68	22	23	9	29	12	16	1
New Jersey	47	40	453	143	128	31	153	55	172	57
New Mexico	15	13	91	20	43	2	48	18	0	0
New York	117	112	1,465	768	736	373	514	350	215	45
North Carolina	59	51	505	145	242	43	205	86	58	16
North Dakota	10	8	88	25	69	11	13	6	6	8
Ohio	81	73	954	336	401	122	239	145	314	69
Oklahoma	26	26	228	37	138	16	90	21	0	0
Oregon	18	14	157	56	77	28	80	28	0	0
Pennsylvania	108	104	1,471	333	683	166	214	89	574	78
Rhode Island	7	3	75	20	75	20	0	0	0	0
South Carolina	22	21	268	53	173	26	95	27	0	0
South Dakota	9	7	52	30	16	8	26	18	10	4
Tennessee	38	34	417	54	171	26	144	23	102	5
Texas	69	62	930	121	500	60	395	61	35	0
Utah	4	4	117	49	89	38	28	11	0	0
Vermont	7	7	47	17	29	7	18	10	0	0
Virginia	43	37	410	106	194	56	108	33	108	17
Washington	25	24	286	136	181	65	105	71	0	0
West Virginia	20	19	210	52	97	15	83	34	30	3
Wisconsin	37	34	490	222	265	165	184	49	41	8
Wyoming	5	5	35	17	19	1	16	16	0	0
American Samoa	1	1	4	1	0	0	4	1	0	0
Guam	2	1	11	2	0	0	11	2	0	0
Puerto Rico	20	18	238	73	175	54	63	19	0	0
Virgin Islands	2	3	18	1	14	1	4	0	0	0
TOTAL	1,654	1,474	17,825	5,792	9,081	2,891	5,897	2,395	2,847	506

Trends in Numbers of Faculty, 1970-1986 (Table F-2)

- Table F-2 presents changes in the number of full-time faculty, part-time faculty, and unfilled positions, based on the responses of all reporting programs. In interpreting the percentage changes, readers should note the variation in response rates from year to year that might affect the numbers reported. For data projected to a 100 percent response rate, see Table F-3.

- In general, the ratios of full-time to part-time faculty by program type in 1986 were as follows:

Associate degree programs	5:2
Baccalaureate programs	3:1
Diploma programs	6:1
All program types	3:1

- Only baccalaureate and higher degree programs continue to show an increase in the number of part-time faculty.

- The trends in number of full-time and part-time faculty are shown in Figures F-1 to F-5.

Table F-2

CHANGE IN NUMBER OF FULL-TIME AND PART-TIME FACULTY AND UNFILLED POSITIONS, BY TYPE OF PROGRAM: 1970-1986[1]

NUMBER OF FACULTY AND UNFILLED BUDGETED POSITIONS BY TYPE OF PROGRAM[2]	1970		1972		1974		1976		1978		1980		1982		1984		1986	
	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change
ALL RN PROGRAMS REPORTING[3]																		
Number of Programs Reporting	1,359	+7.5	1,333	-1.9	1,375	+3.1	1,395	+1.5	1,340	-3.9	1,385	+3.4	1,391	+0.4	1,556	+11.6	1,467	-5.7
Percent of total programs	99.3	+0.6	96.7	-2.6	98.8	+2.1	97.3	-1.5	91.5	-5.8	92.9	+1.4	89.9	-3.0	92.3	+2.4	86.7	-3.6
Number of full-time faculty	15,555	+3.9	16,794	+8.0	19,204	+14.3	20,572	+17.1	20,217	-1.7	20,355	+0.7	19,742	-3.0	20,449	+3.6	18,060	-11.7
Number of part-time faculty	2,556	+9.5	2,879	+12.0	3,780	+31.3	4,121	+9.0	4,457	+8.2	4,781	+7.3	5,167	+8.1	6,322	+22.4	5,746	-9.1
Unfilled budgeted positions	1,085	-16.3	877	-19.2	864	-1.5	776	-10.2	800	+3.1	710	-11.2	720	+1.4	694	-3.6	611	-12.0
BACCALAUREATE AND HIGHER DEGREE PROGRAMS REPORTING[3]																		
Number of Programs Reporting	280	+25.0	292	+4.3	319	+9.2	373	+16.9	378	+1.3	433	+14.5	468	+8.1	564	+20.5	557	-1.2
Percent of total programs	98.9	+2.8	97.0	-1.9	98.8	+1.8	96.1	-2.7	85.9	-10.2	92.1	+6.2	90.3	-1.8	90.3	0.0	91.2	+1.2
Number of full-time faculty	4,887	+13.9	5,534	+13.2	7,044	+27.3	8,567	+21.6	8,794	+2.6	9,531	+8.4	9,502	-0.3	9,800	+3.1	8,925	-8.9
Number of part-time faculty	677	+30.2	877	+29.5	1,338	+52.6	1,761	+31.6	1,919	+9.0	2,108	+9.8	2,254	+6.9	2,697	+19.7	2,845	+5.5
Unfilled budgeted positions	373	+17.7	327	-12.3	516	+57.8	414	-19.8	467	+12.8	403	-23.6	435	+7.9	407	-6.4	402	-1.2
ASSOCIATE DEGREE PROGRAMS REPORTING																		
Number of Programs Reporting	387	+38.2	473	+22.2	565	+19.4	602	+6.5	615	+2.2	647	+5.2	642	+0.8	745	+16.0	692	-7.1
Percent of total programs	99.2	-0.4	96.3	-2.9	98.4	+2.1	97.4	-1.0	93.7	-3.7	94.0	+0.3	88.4	-5.6	97.5	+9.1	87.9	-9.6
Number of full-time faculty	2,461	+49.5	3,588	+45.8	4,995	+39.2	5,680	+13.7	5,939	+4.6	6,036	+1.6	5,863	-2.9	6,606	+12.7	6,288	-4.8
Number of part-time faculty	298	+73.3	660	+121.5	1,210	+83.3	1,419	+17.3	1,622	+14.3	1,852	+14.2	2,146	+15.9	2,554	+19.0	2,395	-6.2
Unfilled budgeted positions	159	-21.3	188	+18.2	206	+9.6	201	-2.4	194	-3.5	194	0.0	178	-8.2	188	+5.6	138	-26.6
DIPLOMA PROGRAMS REPORTING																		
Number of Programs Reporting	692	-8.9	568	-17.9	491	-13.6	420	-14.5	347	-17.4	305	-12.1	281	-7.9	257	-8.5	218	-15.2
Percent of total programs	99.6	+0.5	96.8	-2.8	99.4	+1.6	98.1	-1.3	94.6	-3.5	91.6	-3.0	92.7	+1.1	88.9	-3.8	85.2	-3.7
Number of full-time faculty	8,207	-9.2	7,672	-6.5	7,165	-6.6	6,325	-11.7	5,484	-13.3	4,788	-12.7	4,377	-8.6	4,043	-7.6	2,847	-29.6
Number of part-time faculty	1,581	-3.8	1,342	-15.1	1,232	-8.2	941	-23.6	916	-2.7	821	-10.4	767	-6.6	771	+0.5	506	-34.4
Unfilled budgeted positions	553	-28.8	362	-34.5	261	-27.9	161	-38.3	139	-13.7	113	-18.7	107	-5.3	99	-7.5	71	-28.3

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[1] As of January of each year indicated.

[2] Directors of programs not included in table.

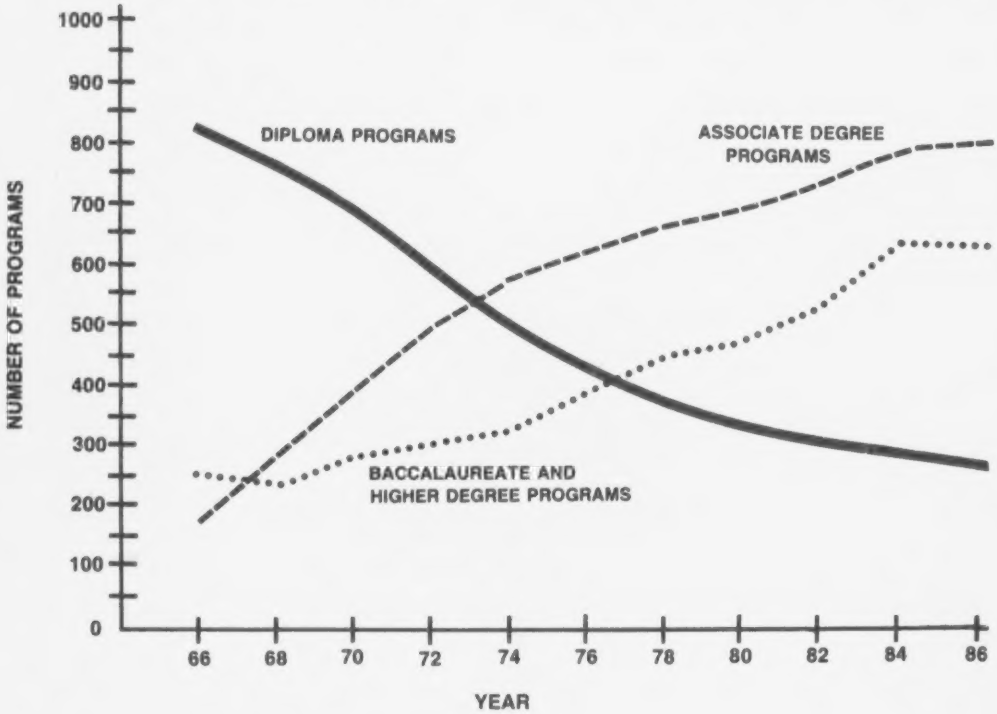
[3] Includes master's programs and RN baccalaureate programs.

Number of Nursing Education Programs, 1966-1986 (Figure F-1)

- The number of nursing education programs for each biennium from 1966 to 1986 is shown in a graphic representation in Figure F-1.
- The number of diploma programs has decreased every year since 1966, although the rate of decrease leveled off in the early 1980s.
- The number of associate degree programs has increased continually since 1966, with the most rapid rate of increase between 1966 and 1974. In the last two years the rate of increase has leveled off.
- There has been a steady increase in the number of reporting baccalaureate and higher degree programs since 1966, with a slowing of the increase in 1986.

Figure F-1

NUMBER OF NURSING EDUCATION PROGRAMS, BY PROGRAM TYPE

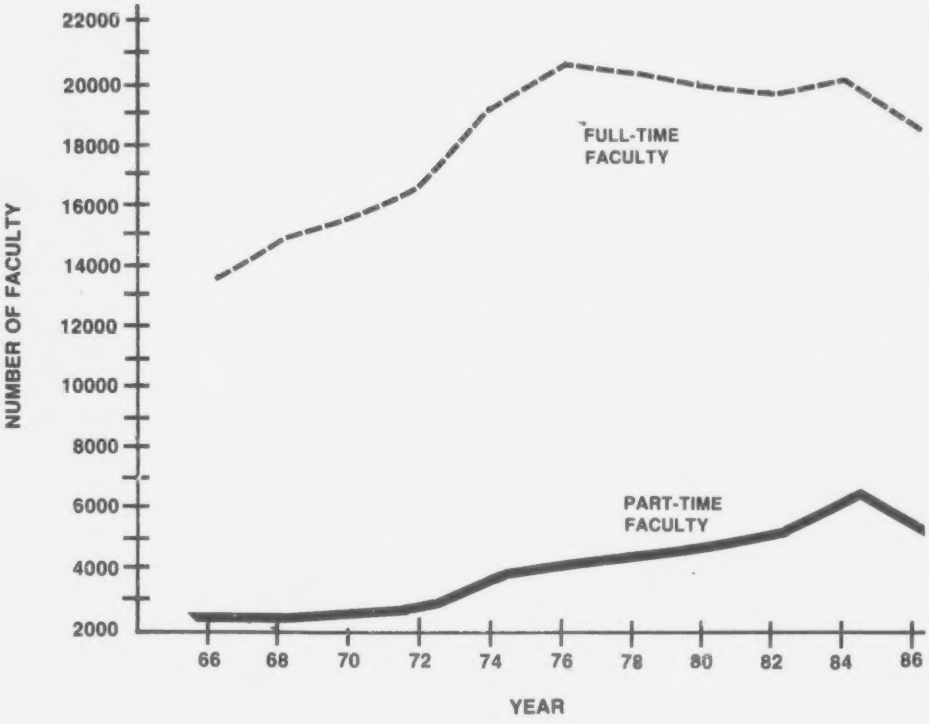


Total Number of Full-Time and Part-Time Faculty (Figure F-2)

- This graph shows the total number of full-time and part-time nurse faculty from 1966 to 1986 for all types of nursing education programs. Some of the variation by year can be explained by variation in the number of programs responding.
- There was a continuous increase in the number of faculty from 1966 to 1976. Since that time, the numbers have leveled off, and there was a decrease in faculty in 1986.
- The number of part-time faculty increased steadily from 1970 to 1984, with the most rapid rate of increase taking place in 1972-74 and 1982-84. From 1984 to 1986 there was a decrease in the total number of part-time faculty.

Figure F-2

TOTAL NUMBER OF FULL-TIME AND PART-TIME FACULTY IN ALL NURSING EDUCATION PROGRAMS

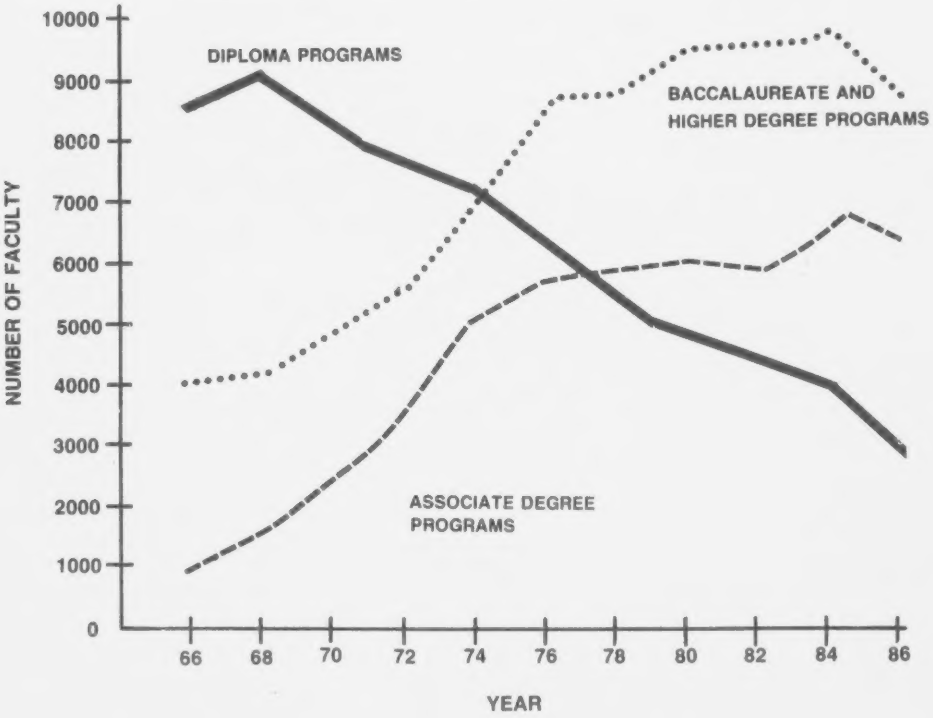


Number of Full-Time Faculty (Figure F-3)

- The total number of full-time faculty reported in each type of program for each biennium between 1966 and 1986 is shown in Figure F-3.
- Since 1978, the number of programs has continued to increase steadily. In the same time period, the number of full-time faculty reported by responding programs leveled off and in 1986 showed a decrease in all types of programs.
- For baccalaureate and higher degree programs, the number of full-time faculty decreased by 8.9 percent.
- Associate degree programs reported a 9.6 percent decrease in full-time faculty members. However, when projected to a 100 percent response rate, the numbers of full-time associate degree faculty shows a 6 percent increase (see Table F-3).
- For diploma programs, there was a 29.6 percent drop in the number of full-time faculty.

Figure F-3

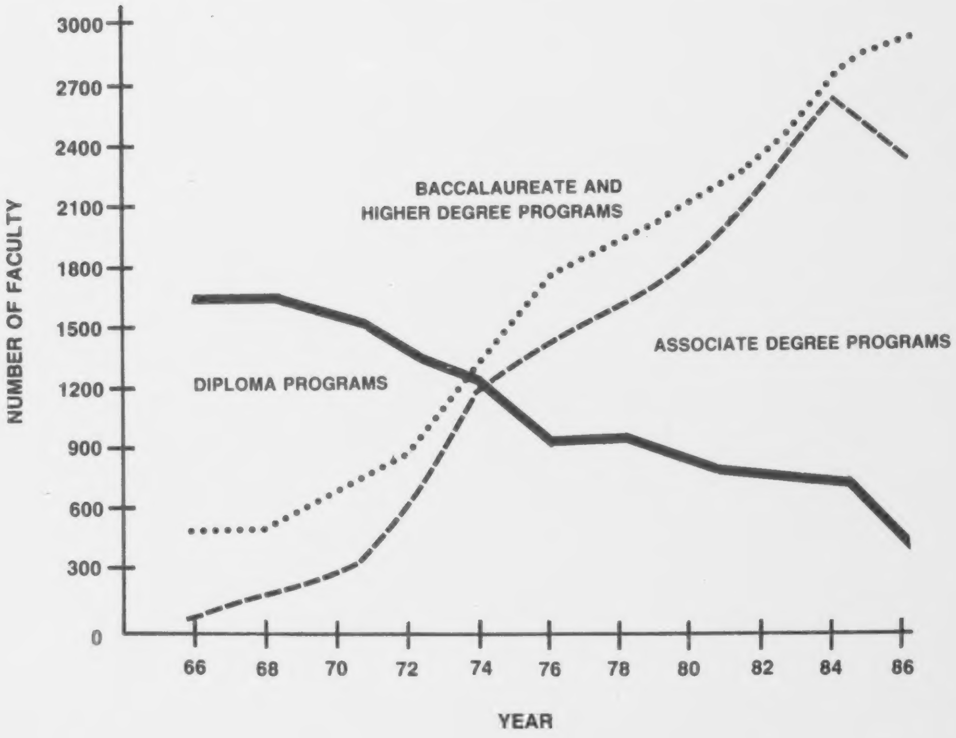
NUMBER OF FULL-TIME FACULTY, BY PROGRAM TYPE



Part-Time Faculty by Program Type (Figure F-4)

- The total number of part-time faculty reported by each type of program from 1966 to 1986 is presented in Figure F-4.
- The dramatic increase evidenced since 1966 continues in the number of part-time faculty in baccalaureate and higher degree programs. This increase has been much more rapid than the increase in number of programs, shown in Figure F-1.
- The number of part-time faculty reported by associate degree programs declined in 1986 after rising steeply since 1970. However, when a 100 percent response rate is projected, the number of part-time associate degree faculty members continued to rise, albeit at a lower rate of 4.2 percent (see Table F-3).
- The number of part-time faculty in diploma programs continues to decrease.

Figure F-4
NUMBER OF PART-TIME FACULTY, BY PROGRAM TYPE

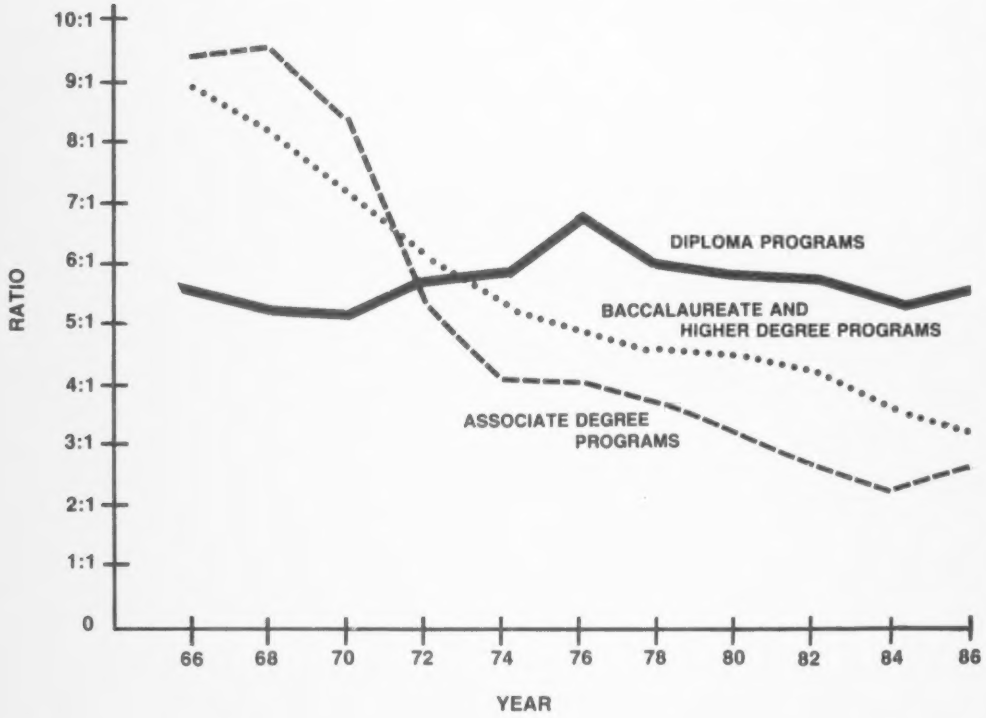


Ratio of Full-Time to Part-Time Faculty (Figure F-5)

- This graphic representation shows the ratio of full-time faculty to part-time faculty by type of program from 1966 to 1986.
- The overall decrease in the ratio of full-time to part-time faculty has been greatest in associate degree programs. While the largest increase in part-time faculty occurred in the early 1970s, there has been an ongoing change in the ratio of full-time to part-time faculty, from nine full-time faculty members for every one part-time faculty member in 1966 to a two-to-one ratio in 1984. In 1986 the ratio increased slightly to 2.6 to 1 (5:2).
- Between 1966 and 1986, there has been a similar decrease in the ratio of full-time to part-time faculty in baccalaureate programs. In 1966, the ratio was nine to one. In 1986, the ratio was close to three to one.
- Between 1966 and 1986, the ratio of full-time to part-time diploma faculty has remained relatively unchanged at approximately six to one, despite minor fluctuations in the mid-1970s.

Figure F-5

RATIO OF FULL-TIME TO PART-TIME FACULTY, BY PROGRAM TYPE



Number of Full-Time and Part-Time Faculty and Unfilled Positions (Table F-3)

- The estimates in this table are based on an extension of the data to a 100 percent return. This provides a means of controlling for the differences in response rate in each biennial survey that contribute to changes in numbers of faculty members or unfilled positions.

- The estimated numbers of full-time equivalent (FTE) faculty were calculated by assuming that each part-time faculty member is equivalent to one-half of a full-time faculty member.

- Associate degree programs are the only type of program that have an estimated increase in numbers of both full-time and part-time faculty.

- Of all FTE faculty in nursing education programs in 1986, 48 percent were in baccalaureate and higher degree programs. Thirty-six percent were in associate degree programs, and 15 percent were in diploma programs.

- The total number of estimated FTE faculty decreased by 8 percent in baccalaureate and higher degree programs. The decrease in number of programs was caused by a decrease in BRN programs, while the number of generic baccalaureate programs continued to increase. However, at least some of the decrease in BRN programs is attributable to a redefinition of that category so that separate BRN and generic programs with the same administration and faculty were listed only once, as one program admitting both generic and RN students.

- FTE faculty in associate degree programs continued to maintain a slower rate of increase in 1986 than in the 1960s and early 1970s. There was a 0.5 percent increase in the number of AD programs in 1986, accompanied by only a 6 percent increase in number of FTE faculty.

- In 1986, diploma programs experienced the highest rate of decline in number of programs in the last 10 years (–14.4%), accompanied by a 24.2 percent decrease in FTE faculty.

Table F-3

ESTIMATED NUMBER OF FULL-TIME AND PART-TIME FACULTY AND UNFILLED POSITIONS AND PERCENT CHANGE, BY TYPE OF PROGRAM: 1970-1986[1]

ESTIMATED TOTAL NUMBER OF NURSE FACULTY AND UNFILLED BUDGETED POSITIONS BY TYPE OF PROGRAM[2]	1970		1972		1974		1976		1978		1980		1982		1984		1986	
	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change
ALL RN PROGRAMS[3]																		
Total Number of Programs	1,368	+6.8	1,379	+0.8	1,391	+0.9	1,434	+3.1	1,464	+2.1	1,491	+1.8	1,547	+3.8	1,697	+9.7	1,654	−2.5
Total estimated nurse-faculty (full-time and FTEs)[4]	16,948	+3.2	18,848	+11.2	21,329	+13.2	23,322	+9.3	24,864	+6.6	24,567	−1.2	24,741	+0.7	25,580	+3.4	23,600	−7.7
Total estimated full-time faculty	15,662	+2.8	17,359	+10.8	19,416	+11.8	21,197	+9.2	22,395	+5.6	21,991	−1.8	21,867	−0.6	22,155	+1.3	20,361	−8.1
Total estimated part-time faculty	2,572	+8.4	2,978	+15.8	3,824	+28.4	4,248	+11.1	4,938	+16.2	5,153	+4.4	5,749	+11.6	6,849	+19.1	6,478	−5.4
Est. unfilled budgeted positions	1,092	−17.1	906	−17.0	994	+9.7	802	−19.3	909	+13.3	766	−15.7	797	+4.0	752	−5.6	689	−8.4
BACCALAUREATE AND HIGHER DEGREE PROGRAMS[3]																		
Total Number of Programs	283	+21.5	301	+6.4	323	+7.3	388	+20.1	441	+13.7	470	+6.6	518	+10.2	625	+20.7	611	−2.2
Total estimated nurse-faculty (full-time and FTEs)[4]	5,281	+11.6	6,157	+16.6	7,810	+26.8	9,834	+25.9	11,379	+15.7	11,489	+1.0	11,764	+2.4	12,347	+5.0	11,346	−8.1
Total estimated full-time faculty	4,939	+10.7	5,705	+15.5	7,132	+25.0	8,918	+25.0	10,260	+15.0	10,345	+0.8	10,517	+1.7	10,852	+3.2	9,786	−9.8
Total estimated part-time faculty	684	+26.4	904	+32.2	1,355	+49.9	1,832	+35.2	2,239	+22.2	2,288	+2.2	2,495	+9.0	2,987	+19.7	3,120	+4.5
Est. unfilled budgeted positions	377	+14.2	337	−10.6	522	+54.9	432	−17.2	555	+28.5	437	−21.3	481	+10.1	451	−6.2	441	−2.2
ASSOCIATE DEGREE PROGRAMS																		
Total Number of Programs	390	+38.8	491	+25.9	574	+16.9	618	+7.7	656	+6.1	688	+4.9	726	+5.5	783	+7.9	787	+0.5
Total estimated nurse-faculty (full-time and FTEs)[4]	2,630	+51.2	4,067	+54.6	5,690	+39.9	6,560	+15.3	7,200	+9.8	7,402	+2.8	7,843	+6.0	8,035	+2.4	8,516	+6.0
Total estimated full-time faculty	2,480	+50.1	3,725	+50.2	5,075	+36.2	5,831	+14.9	6,335	+8.6	6,418	+1.3	6,630	+3.3	6,775	+2.2	7,153	+5.6
Total estimated part-time faculty	300	+73.4	685	+128.3	1,229	+79.4	1,457	+18.6	1,730	+18.7	1,969	+134.8	2,427	+23.3	2,619	+7.9	2,725	+4.2
Est. unfilled budgeted positions	160	+78.8	195	+21.9	209	+7.2	206	−1.4	207	+0.5	206	−0.5	201	−2.4	193	−4.0	156	−19.2
DIPLOMA PROGRAMS																		
Total Number of Programs	695	−9.4	587	−15.5	494	−15.8	428	−13.4	367	−14.3	333	−9.3	303	−9.0	289	−4.6	256	−11.4
Total estimated nurse-faculty (full-time and FTEs)[4]	9,037	−9.2	8,624	−4.6	7,829	−9.2	6,928	−11.5	6,285	−9.3	5,676	−9.7	5,134	−9.5	4,798	−6.5	3,639	−24.2
Total estimated full-time faculty	8,243	−9.6	7,929	−3.8	7,209	−9.1	6,448	−10.6	5,800	−10.0	5,228	−9.9	4,720	−9.7	4,380	−7.2	3,342	−23.7
Total estimated part-time faculty	1,588	−4.2	1,389	−12.5	1,240	−10.7	959	−22.7	969	+1.0	896	−7.5	827	−7.7	835	+0.5	594	−28.9
Est. unfilled budgeted positions	555	−29.2	374	−32.6	263	−29.7	164	−37.6	147	−10.4	123	−16.3	115	−6.5	107	−7.0	83	−22.4

[1] As of January of each year indicated. Estimates are based on an extension of the data to a 100 percent response rate to control for differences in response rate in each biennial survey.

[2] Directors of programs not included in table.

[3] Includes master's programs and RN baccalaureate programs.

[4] Full-time equivalents (FTEs) are calculated by assuming each part-time faculty member is equivalent to one-half of a full-time faculty member.

Nurse and Non-Nurse Faculty, by Type of Program and Region (Table F-4)

- Non-nurse faculty constituted 2.6 percent of all full-time faculty in 1986, and 7.8 percent of all part-time faculty.
- Diploma programs had the highest percentages of full-time (5%) and part-time (18.6%) non-nurse faculty.
- There is little regional variation in the percentages of non-nurse faculty.
- The percentage of non-nurse faculty in nursing education decreased in the last two years, except for associate degree full-time non-nurse faculty, which showed an increase of approximately 0.2 percent.

Table F-4

NUMBER AND PERCENT OF NURSE AND NON-NURSE FACULTY, BY TYPE OF PROGRAM AND REGION

NLN REGION	FULL-TIME FACULTY						PART-TIME FACULTY					
	TOTAL		NURSE FACULTY		NON-NURSE FACULTY		TOTAL		NURSE FACULTY		NON-NURSE FACULTY	
	N	%	N	%	N	%	N	%	N	%	N	%
ALL REPORTING PROGRAMS												
All regions	18,532	100.0	18,060	97.5	472	2.6	6,235	100.0	5,746	92.2	489	7.8
North Atlantic	4,881	100.0	4,738	97.1	143	2.9	1,903	100.0	1,749	91.9	154	8.1
Midwestern	5,072	100.0	4,930	97.2	142	2.8	1,945	100.0	1,773	91.2	172	8.8
Southern	5,781	100.0	5,659	97.9	122	2.1	1,289	100.0	1,192	92.5	97	7.5
Western	2,798	100.0	2,733	97.7	65	2.3	1,098	100.0	1,032	94.0	66	6.0
BACCALAUREATE AND HIGHER DEGREE PROGRAMS												
All regions	9,095	100.0	8,925	98.1	170	1.9	3,099	100.0	2,845	91.8	254	8.2
North Atlantic	2,379	100.0	2,335	98.2	44	1.9	948	100.0	871	91.9	77	8.1
Midwestern	2,451	100.0	2,418	98.7	33	1.4	912	100.0	851	93.3	61	6.7
Southern	2,930	100.0	2,879	98.3	51	1.7	579	100.0	524	90.5	55	9.5
Western	1,335	100.0	1,293	96.9	42	3.2	660	100.0	599	90.8	61	9.2
ASSOCIATE DEGREE PROGRAMS												
All regions	6,439	100.0	6,288	97.7	151	2.4	2,514	100.0	2,395	95.3	119	4.7
North Atlantic	1,209	100.0	1,181	97.6	28	2.3	663	100.0	643	97.0	20	3.0
Midwestern	1,547	100.0	1,498	96.8	49	3.2	786	100.0	723	92.0	63	8.0
Southern	2,265	100.0	2,214	97.7	51	2.3	630	100.0	598	94.9	32	5.1
Western	1,418	100.0	1,395	98.4	23	1.6	435	100.0	431	99.1	4	0.9
DIPLOMA PROGRAMS												
All regions	2,998	100.0	2,847	95.0	151	5.0	622	100.0	506	81.4	116	18.6
North Atlantic	1,273	100.0	1,222	94.5	71	5.5	292	100.0	235	80.5	57	19.5
Midwestern	1,074	100.0	1,014	94.4	60	5.6	247	100.0	199	80.2	48	19.4
Southern	586	100.0	566	96.6	20	3.4	80	100.0	70	87.5	10	12.5
Western	45	100.0	45	100.0	0	0.0	3	100.0	2	66.7	1	33.3

Mean Numbers of Faculty per Program (Table F-5)

- The mean number of full-time faculty per program has continued to decline since the 1980 survey. However, the mean number of part-time faculty per program has increased during the same time period. (See Figures F-6 and F-7 for a graphic representation of these trends.)
- In 1986, the decline in mean number of full-time faculty continued in baccalaureate and higher degree programs—to 16.2. The mean number of full-time faculty in associate degree programs remained relatively unchanged—at 9.1 faculty members per program.
- Since 1978, associate degree programs experienced a slight increase in mean number of part-time faculty—from 2.6 to 3.5.
- The mean number of both full-time and part-time faculty in diploma programs decreased in 1986.

Table F-5
MEAN NUMBER OF FULL-TIME AND PART-TIME NURSE FACULTY PER PROGRAM, 1968-1986

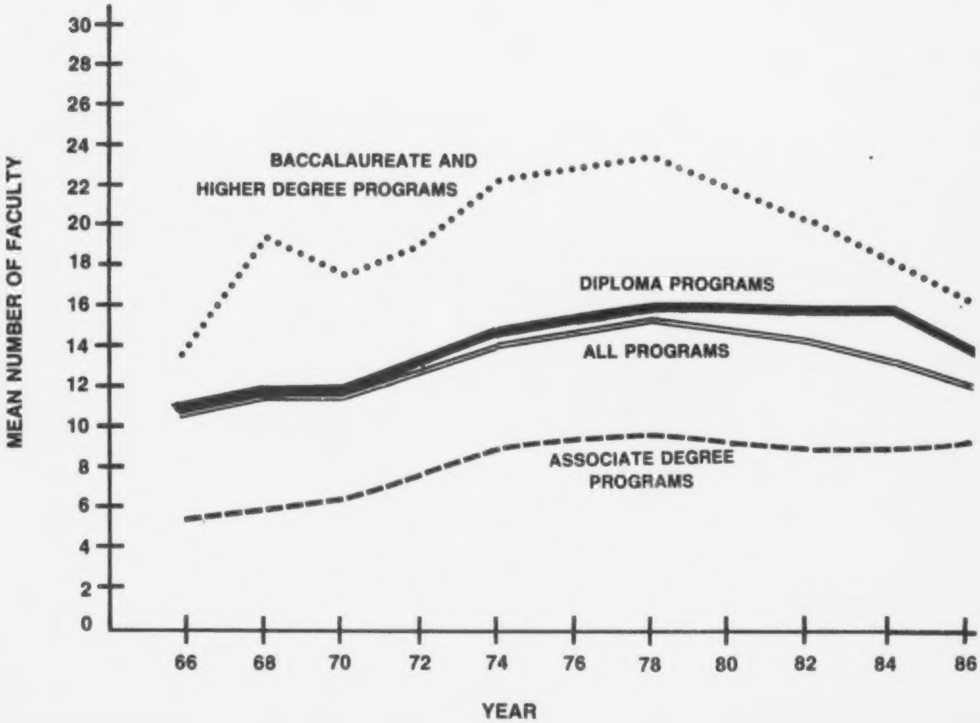
STATUS OF FACULTY	MEAN NUMBER OF FACULTY PER PROGRAM									
	1968	1970	1972	1974	1976	1978	1980	1982	1984	1986
ALL REPORTING PROGRAMS										
Full-time faculty	11.8	11.5	12.6	14.0	14.7	15.1	14.7	14.2	13.2	12.4
Part-time faculty	1.8	1.9	2.2	2.7	3.0	3.3	3.5	3.7	4.1	3.9
Unfilled positions	1.0	0.8	0.7	0.6	0.6	0.6	0.5	0.5	0.4	0.4
BACCALAUREATE AND HIGHER DEGREE PROGRAMS										
Full-time faculty	19.1	17.5	19.0	22.1	23.0	23.3	22.0	20.3	17.4	16.2
Part-time faculty	2.3	2.4	3.0	4.2	4.7	5.1	4.9	4.8	4.7	5.2
Unfilled positions	1.4	1.3	1.1	1.6	1.2	1.2	0.9	0.9	0.7	0.7
ASSOCIATE DEGREE PROGRAMS										
Full-time positions	5.9	6.4	7.6	8.8	9.4	9.7	9.3	9.1	8.9	9.1
Part-time faculty	0.6	0.8	1.4	2.1	2.4	2.6	2.9	3.3	3.8	3.5
Unfilled faculty	0.7	0.6	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.2
DIPLOMA PROGRAMS										
Full-time faculty	11.9	11.9	13.5	14.6	15.1	15.8	15.7	15.6	15.7	13.8
Part-time faculty	2.2	2.3	2.4	2.5	2.2	2.6	2.7	2.7	3.0	2.3
Unfilled positions	1.0	0.8	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.3

Mean Number of Full-Time Faculty by Type of Program (Figure F-6)

- Figure F-6 presents the trends in the average (mean) number of full-time faculty per program for each program type from 1966 to 1986.
- All program types, except baccalaureate and higher degree programs, remained relatively constant in mean numbers of full-time faculty. (The BRN program faculty are included with generic baccalaureate program faculty.)
- Despite a steady decline since 1978, baccalaureate and higher degree programs have consistently had the largest average number of full-time faculty.
- Diploma programs show a decrease in average number of full-time faculty along with the decrease in number of programs.

Figure F-6

MEAN NUMBER OF FULL-TIME FACULTY, BY PROGRAM TYPE

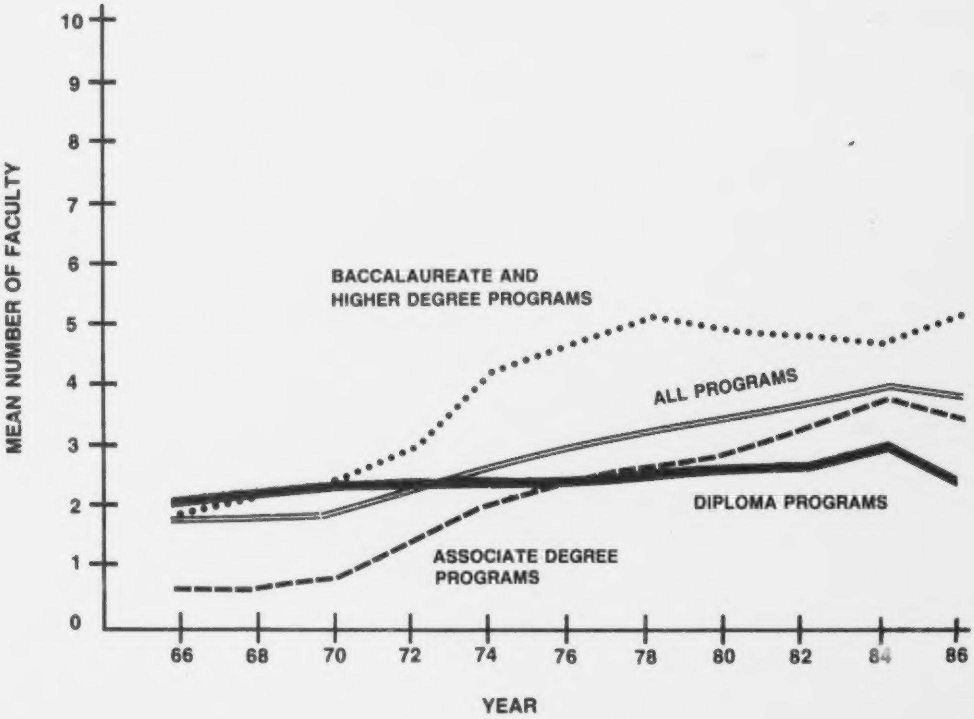


Mean Number of Part-Time Faculty by Type of Program (Figure F-7)

- Figure F-7 presents the trends in the average (mean) number of part-time faculty for each program type from 1966 to 1986.
- For baccalaureate and higher degree programs, most of the growth in part-time faculty occurred in the early to mid-1970s. It leveled off in the 1980s, with a further increase in 1986.
- In associate degree programs, there was a gradual but continuous increase in the average number of part-time faculty from 1970 until 1986, when there was a decrease.
- The average number of part-time faculty in diploma programs has remained fairly stable since 1966.

Figure F-7

MEAN NUMBER OF PART-TIME FACULTY, BY PROGRAM TYPE



Unfilled Faculty Positions by Region (Table F-6)

- Since 1976, the number of unfilled positions per 100 faculty members has remained fairly stable over all regions.
- Percentages derived from the data show that the largest percentage of unfilled positions (66%) were found in baccalaureate and higher degree programs (see also Tables F-2 and F-3).
- The largest portion of unfilled positions for all programs was found in the Southern region (38%).
- The only increase in the number of unfilled positions in 1986 was in the West (from 94 to 98 vacancies), primarily in baccalaureate and higher degree programs.

Table F-6
UNFILLED NURSE FACULTY BUDGETED POSITIONS PER 100 FULL-TIME FACULTY, BY NLN REGION: 1976-1986

NLN REGION BY YEAR	TOTAL FULL-TIME FACULTY REPORTED	TOTAL BUDGETED VACANCIES REPORTED	VACANCIES PER 100 FULL-TIME FACULTY
All Regions			
1976	20,572	776	3.8
1978	20,217	800	4.0
1980	20,355	710	3.5
1982	19,742	720	3.6
1984	20,449	694	3.4
1986	18,374	611	3.3
North Atlantic			
1976	6,000	150	2.5
1978	5,498	164	3.0
1980	5,581	117	2.1
1982	5,333	140	2.6
1984	5,197	106	2.0
1986	5,146	96	1.9
Midwest			
1976	6,146	295	4.8
1978	6,245	260	4.2
1980	6,048	220	3.6
1982	5,979	197	3.3
1984	6,288	201	3.2
1986	5,072	182	3.6
Southern			
1976	5,830	269	4.6
1978	5,947	311	5.2
1980	6,209	286	4.6
1982	6,060	306	5.0
1984	6,478	293	4.5
1986	5,731	235	4.1
Western			
1976	2,596	62	2.3
1978	2,527	65	2.6
1980	2,517	87	3.5
1982	2,370	77	3.2
1984	2,564	94	3.7
1986	2,425	98	4.0

Unfilled Faculty Positions by Clinical Area (Table F-7)

- Of the unfilled positions in all programs, 29 percent were found in the medical-surgical area. This figure reflects the typical practice in nursing programs of having more positions for medical-surgical nursing faculty than for any other clinical specialty area.
- The percentages reported by type of program reflect curriculum differences among the types of programs. For example, 96 percent of the unfilled community health positions are in baccalaureate and higher degree programs, where there is more emphasis on this specialty than in other programs. Nevertheless, 17 percent of the unfilled positions in diploma programs this year were in community health, the majority of them in the Midwest.
- Since 1982, there have been increases in the percentages of unfilled positions for nurse-generalists.
- In baccalaureate and higher degree programs, 7.2 percent of the unfilled positions are in the area of teaching research and/or computer applications.
- To summarize, faculty positions for nurse-generalists and those teaching community health nursing are opening up. On the other hand, openings for faculty positions in medical-surgical, maternal-child, psychiatric-mental health, community health, and primary care nursing are decreasing.

Table F-7
PERCENT OF UNFILLED POSITIONS BY PROGRAM TYPE AND CLINICAL SPECIALIZATION

NLN REGION	TOTAL UNFILLED BUDGETED POSITIONS		CONTENT AREA OR NURSING SPECIALIZATION								
	Number	Percent	Medical-Surgical	Maternal-Child	Psychiatric-Mental Health	Community Health	Geriatric-Aging	Primary Care	Generalist	Research/ Computers	Other
ALL REPORTING PROGRAMS											
All Regions	611	100.0	28.6	18.8	12.3	13.8	2.6	3.0	6.6	5.6	8.8
North Atlantic	96	100.0	36.5	22.9	8.3	7.3	3.1	1.0	7.3	5.2	8.3
Midwestern	182	100.0	28.6	18.7	11.5	14.8	3.3	3.3	5.5	5.0	9.3
Southern	235	100.0	28.1	20.0	15.7	11.9	2.1	3.8	6.4	5.1	6.8
Western	98	100.0	22.5	12.2	9.2	22.5	2.0	2.0	8.2	8.2	13.3
BACCALAUREATE AND HIGHER DEGREE PROGRAMS											
All Regions	402	100.0	23.4	17.9	11.4	17.7	3.5	4.2	4.2	7.2	10.5
North Atlantic	55	100.0	27.3	23.6	7.3	12.7	5.5	1.8	1.8	9.1	10.9
Midwestern	113	100.0	26.6	17.7	11.5	15.0	4.4	4.4	4.4	6.2	9.7
Southern	160	100.0	20.6	19.4	13.1	15.6	2.5	5.6	5.6	7.5	10.0
Western	74	100.0	21.6	10.8	10.8	29.7	2.7	2.7	2.7	6.8	12.2
ASSOCIATE DEGREE PROGRAMS											
All Regions	138	100.0	34.1	21.7	17.4	0.7	1.5	0.7	15.2	2.9	5.8
North Atlantic	23	100.0	34.8	17.4	13.0	0.0	0.0	0.0	26.1	0.0	8.7
Midwestern	31	100.0	29.0	19.4	16.1	0.0	3.2	3.2	9.7	3.2	16.1
Southern	63	100.0	38.1	25.4	23.8	1.6	1.6	0.0	9.5	0.0	0.0
Western	21	100.0	28.6	19.1	4.8	0.0	0.0	0.0	28.6	14.3	4.8
DIPLOMA PROGRAMS											
All Regions	71	100.0	47.9	18.3	7.0	16.9	0.0	0.0	2.8	1.4	5.6
North Atlantic	18	100.0	66.7	27.8	5.6	0.0	0.0	0.0	0.0	0.0	0.0
Midwestern	38	100.0	34.2	21.1	7.9	26.3	0.0	0.0	5.3	2.6	2.6
Southern	12	100.0	75.0	0.0	8.3	16.7	0.0	0.0	0.0	0.0	0.0
Western	3	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0

Assignment of Full-Time Faculty to Baccalaureate or Graduate Teaching (Table F-8)

- In baccalaureate and higher degree programs with graduate programs, 26.5 percent of the faculty teach exclusively at the graduate level, 27.5 percent teach at both undergraduate and graduate levels, and 46 percent teach at the undergraduate level only.
- In the North Atlantic and Southern regions, a similar percentage of faculty teach at the graduate level only as at both graduate and undergraduate levels. In the Western region, 45.9 percent of the faculty teach at both levels, and 14.9 percent teach at the graduate level only. In contrast, in the midwestern region, 33 percent of the faculty teach at the graduate level, and 18.7 percent teach at both levels.
- There continues to be a significant increase over previous years in the percentage of faculty teaching in graduate programs and a decrease in the percentage of faculty teaching only at the undergraduate level.

Table F-8

ASSIGNMENT OF FULL-TIME FACULTY TO BACCALAUREATE OR GRADUATE TEACHING, BY REGION: 1976-1986

NLN REGION BY YEAR	ASSIGNMENT OF FULL-TIME FACULTY							
	Total Full-Time Faculty		Exclusively to Graduate Programs		Part-Time to Baccalaureate Programs Part Time to Graduate Programs		Exclusively to Baccalaureate Programs	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Regions								
1976	4,612	100.0	3,176	68.9	724	15.7	712	15.4
1978	4,344	100.0	2,744	63.2	890	20.5	710	16.3
1980	4,965	100.0	3,103	62.5	1,069	21.5	793	16.0
1982	4,969	100.0	3,044	61.2	1,042	21.0	883	17.8
1984	4,122	100.0	2,615	63.4	730	17.7	777	18.9
1986	4,020	100.0	1,850	46.0	1,064	26.5	1,106	27.5
North Atlantic								
1976	922	100.0	626	67.9	176	19.1	120	13.0
1978	989	100.0	594	60.1	273	27.6	122	12.3
1980	1,083	100.0	631	58.3	335	30.9	117	10.8
1982	1,121	100.0	590	52.6	309	27.6	222	19.8
1984	915	100.0	595	65.0	170	18.6	150	16.4
1986	835	100.0	381	45.6	228	27.3	226	27.1
Midwestern								
1976	1,203	100.0	898	74.6	197	16.4	108	9.0
1978	1,174	100.0	790	67.3	237	20.2	147	12.5
1980	1,510	100.0	927	61.4	287	19.0	296	19.6
1982	1,483	100.0	975	65.7	302	20.4	206	13.9
1984	1,132	100.0	800	70.7	167	14.8	165	14.6
1986	1,256	100.0	611	48.6	415	33.0	230	18.7
Southern								
1976	1,678	100.0	1,244	74.1	194	11.6	240	14.3
1978	1,403	100.0	997	71.1	228	16.2	178	12.7
1980	1,816	100.0	1,219	67.1	314	17.3	283	15.6
1982	1,783	100.0	1,142	64.1	352	19.7	289	16.2
1984	1,477	100.0	879	59.5	277	18.8	321	21.7
1986	1,273	100.0	601	47.2	323	25.4	349	27.4
Western								
1976	809	100.0	408	50.4	157	19.4	244	30.2
1978	778	100.0	363	46.7	152	19.5	263	33.8
1980	556	100.0	326	58.6	133	23.9	97	17.5
1982	582	100.0	337	57.9	79	13.6	166	28.5
1984	598	100.0	341	57.0	116	19.4	141	23.6
1986	656	100.0	257	39.2	98	14.9	301	45.9

Role of Part-time Faculty by Type of Program (Table F-9)

- Table F-9 presents the percentage of part-time faculty in each teaching role.
- In associate degree programs, the majority of part-time faculty (59.8%) are teaching in the clinical area. Similarly, the majority of part-time faculty in generic baccalaureate programs (50.2%) are in clinical teaching.
- In diploma programs, the majority of part-time faculty (54.9%) teach in both the classroom and the clinical area.
- In baccalaureate programs for registered nurses and in graduate programs, the largest percentage of part-time faculty (42.5% and 43.5%, respectively) are teaching in the classroom.

Table F-9
ROLE OF PART-TIME FACULTY, BY TYPE OF PROGRAM: PERCENT IN EACH TEACHING ROLE

TEACHING ROLE	ALL PROGRAMS		BACCALAUREATE AND HIGHER DEGREE PROGRAMS			ASSOCIATE DEGREE PROGRAMS (percent)	DIPLOMA PROGRAMS (percent)
	Number of Part-Time Faculty	Percent	Graduate Teaching (percent)	Undergraduate Teaching (percent)	Baccalaureate Programs for RNs only (percent)		
Clinical teaching	2,950	48.0	16.7	50.2	24.3	59.8	20.8
Classroom teaching	806	13.1	43.5	12.6	42.5	5.0	14.5
College/school laboratory	232	3.8	1.2	4.0	1.1	4.9	1.0
Class and clinical	1,565	25.5	33.1	26.2	23.8	17.4	54.9
Class and laboratory	504	8.2	2.0	6.2	5.6	11.1	8.5
Clinical and laboratory	86	1.4	3.5	0.7	2.7	1.8	0.3
Total	6,143	100.0	100.0	100.0	100.0	100.0	100.0

Highest Earned Credentials

Highest Earned Credentials of Administrators, 1968-1986 (Table F-10)

- The term "administrator" refers to the chief administrative officer of a nursing program, who may have the title of dean, director, or chairperson.

- The data for the highest earned credential of administrators in each type of nursing education program 1986 are represented graphically in Figure F-8.

- The number and percentage of administrators of nursing programs with earned doctorates continue to increase. Almost 42 percent of all administrators reported possessing an earned doctorate in 1986. Seventy-seven percent of administrators of baccalaureate and higher degree programs hold doctorates.

- The number and percentage of nursing education administrators with neither a doctorate nor a master's degree are decreasing for associate degree and diploma programs. The number of administrators with no graduate degrees is now 0.4 percent for baccalaureate and higher degree programs.

- For all types of programs, there continues to be a decrease in the percentage of nursing education administrators with the master's degree as their highest earned credential.

Table F-10

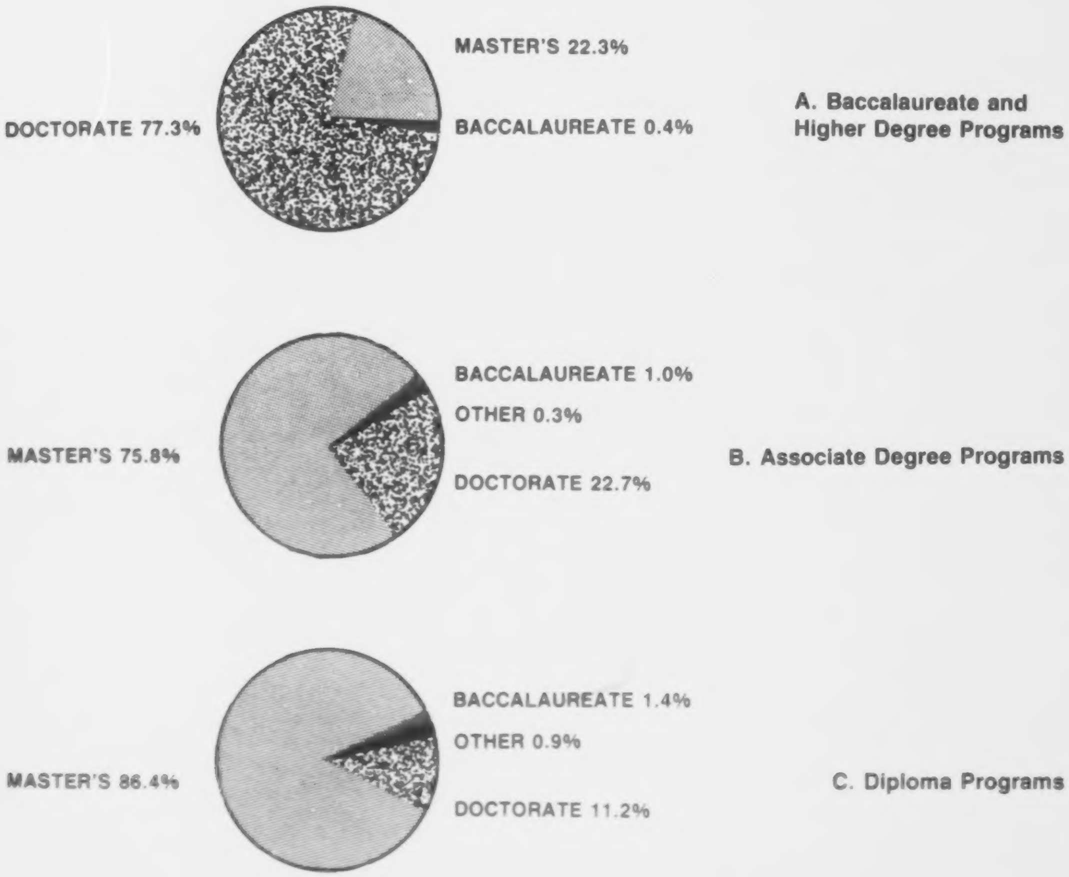
HIGHEST EARNED CREDENTIAL OF NURSING EDUCATION ADMINISTRATORS, BY TYPE OF PROGRAM: 1968-1986

YEAR	TOTAL ADMINISTRATORS REPORTED		HIGHEST EARNED CREDENTIAL							
			DOCTORATE		MASTER'S		BACCALAUREATE		OTHER	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
ALL REPORTING PROGRAMS										
1968	1,225	100.0	112	9.1	972	79.4	141	11.5	0	0.0
1970	1,287	100.0	155	12.0	1,010	78.5	119	9.3	3	0.2
1972	1,260	100.0	171	13.6	997	79.1	87	6.9	5	0.4
1974	1,310	100.0	203	15.5	1,032	78.8	75	5.7	0	0.0
1976	1,317	100.0	252	19.2	1,001	76.0	61	4.6	2	0.2
1978	1,270	100.0	297	23.4	939	73.9	34	2.7	0	0.0
1980	1,344	100.0	355	26.4	960	71.4	29	2.2	0	0.0
1982	1,348	100.0	432	32.1	898	66.6	18	1.3	0	0.0
1984	1,499	100.0	524	35.0	937	62.5	38	2.5	0	0.0
1986	1,439	100.0	601	41.8	821	57.1	12	0.8	5	0.3
BACCALAUREATE AND HIGHER DEGREE PROGRAMS										
1968	228	100.0	85	37.3	142	62.3	1	0.4	0	0.0
1970	255	100.0	113	44.3	141	55.3	1	0.4	0	0.0
1972	274	100.0	142	51.8	131	47.8	1	0.4	0	0.0
1974	301	100.0	166	55.2	134	44.5	1	0.3	0	0.0
1976	347	100.0	205	59.1	140	40.3	2	0.6	0	0.0
1978	343	100.0	239	69.7	102	29.7	2	0.6	0	0.0
1980	414	100.0	269	65.0	144	34.8	1	0.2	0	0.0
1982	453	100.0	321	70.9	132	29.1	0	0.0	0	0.0
1984	535	100.0	381	71.2	154	28.8	0	0.0	0	0.0
1986	547	100.0	423	77.3	122	22.3	2	0.4	0	0.0
ASSOCIATE DEGREE PROGRAMS										
1968	267	100.0	15	5.6	244	91.4	8	3.0	0	0.0
1970	382	100.0	26	6.8	344	90.1	12	3.1	0	0.0
1972	441	100.0	19	4.3	402	91.2	20	4.5	0	0.0
1974	532	100.0	29	5.5	481	90.4	22	4.1	0	0.0
1976	572	100.0	40	7.0	505	88.3	25	4.3	2	0.4
1978	590	100.0	50	8.5	526	89.1	14	2.4	0	0.0
1980	634	100.0	77	12.2	539	85.0	18	2.8	0	0.0
1982	620	100.0	99	16.0	511	82.4	10	1.6	0	0.0
1984	712	100.0	128	18.0	552	77.5	32	4.5	0	0.0
1986	678	100.0	154	22.7	514	75.8	7	1.0	3	0.3
DIPLOMA PROGRAMS										
1968	730	100.0	12	1.6	586	80.3	132	18.1	0	0.0
1970	650	100.0	16	2.5	525	80.8	106	16.3	3	0.4
1972	545	100.0	10	1.8	464	85.2	66	12.1	5	0.9
1974	477	100.0	8	1.7	417	87.4	52	10.9	0	0.0
1976	398	100.0	8	2.0	356	89.5	34	8.5	0	0.0
1978	337	100.0	8	2.4	311	92.3	18	5.3	0	0.0
1980	296	100.0	9	3.0	277	93.6	10	3.4	0	0.0
1982	275	100.0	12	4.4	255	92.7	8	2.9	0	0.0
1984	252	100.0	15	6.0	231	91.7	6	2.4	0	0.0
1986	214	100.0	24	11.2	185	86.4	3	1.4	2	0.9

Highest Earned Credentials of Administrators, 1986 (Figure F-8)

- These pie graphs show the percentages of chief administrators of each type of nursing education program holding doctoral, master's, or baccalaureate degrees as their highest earned credential. These data are presented and discussed in Table F-10.
- The graphs illustrate that a significantly greater percentage of doctorally prepared administrators are found in baccalaureate and higher degree programs.
- The percentage of administrators with a doctorate as their highest earned credential is 77.3 percent in baccalaureate and higher degree programs, 22.7 percent in associate degree programs, and 11.2 percent in diploma programs.

Figure F-8
HIGHEST EARNED CREDENTIALS OF ADMINISTRATORS, BY PROGRAM TYPE: 1986



A. Baccalaureate and Higher Degree Programs

B. Associate Degree Programs

C. Diploma Programs

Highest Earned Credentials of Associate/Assistant Administrators by Type of Nursing Program (Table F-11)

- The position of associate or assistant administrator is reported much more frequently in baccalaureate and higher degree programs and in diploma programs than in associate degree programs. Typically, however, an associate degree program has less faculty than the other two types of programs (see Table F-5).
- Associate or assistant administrators in baccalaureate and higher degree programs are more likely to have a doctorate (58.4%) than those in associate degree programs (13.2%) or in diploma programs (8.8%).
- In associate degree and diploma programs, a large majority of associate or assistant administrators have master's degrees (78.8% and 82.4%, respectively).

Table F-11
HIGHEST EARNED CREDENTIAL OF ASSOCIATE/ASSISTANT ADMINISTRATORS, BY TYPE OF PROGRAM

HIGHEST CREDENTIAL	ALL PROGRAMS		BACCALAUREATE AND HIGHER DEGREE		ASSOCIATE DEGREE		DIPLOMA	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total	1,064	100.0	537	100.0	288	100.0	239	100.0
Doctorate-Total	373	35.1	314	58.4	38	13.2	21	8.8
Nursing	117	11.0	106	19.7	7	2.4	4	1.7
Non-Nursing	256	24.1	208	38.7	31	10.8	17	7.1
Master's Degree-Total	638	60.0	214	39.9	227	78.8	197	82.4
Nursing	458	43.0	183	34.1	166	57.6	109	45.6
Non-Nursing	180	16.9	31	5.8	61	21.2	88	36.8
Baccalaureate-Total	45	4.2	7	1.3	22	7.6	16	6.7
Nursing	36	3.4	6	1.1	19	6.6	11	4.6
Non-Nursing	9	0.8	1	0.2	3	1.0	5	2.1
Other	8	0.8	2	0.4	1	0.3	5	2.1

Highest Earned Credentials of Full-Time Faculty by Program Type, 1968-1986 (Table F-12)

- There has been a consistent increase in the number of full-time faculty with doctoral and master's degrees since 1968. (The table excludes chief administrators.)

- Fifty-one percent of the master's prepared faculty are teaching in baccalaureate and higher degree programs.

- The number of doctorally prepared full-time faculty reported in baccalaureate and higher degree programs has increased from 621 in 1974 to 2,176 in 1986—a greater than threefold increase over the twelve-year period. At present, 98 percent of full-time faculty in baccalaureate and higher degree programs have a graduate degree. This figure includes 74.5 percent with a master's degree and 23.7 percent with a doctorate as highest earned credential.

- The percentage of full-time doctorally prepared faculty teaching in associate degree programs has increased to 3.1 percent in 1986. For the same time period, the percentage of master's prepared faculty continued to increase to 80.1 percent.

- The number of full-time faculty in diploma education with doctorates doubled in the last two years, now numbering 28, while the percentage of diploma faculty with a master's degree has increased steadily, reaching 66 percent this year. Diploma faculty without graduate degrees continued to decline.

- These data are represented graphically in Figure F-9.

Table F-12

HIGHEST EARNED CREDENTIAL OF FULL-TIME NURSE FACULTY, BY TYPE OF PROGRAM: 1968-1986[1]

YEAR	TOTAL FACULTY REPORTED		HIGHEST EARNED CREDENTIAL									
			DOCTORATE		MASTER'S		BACCALAUREATE		ASSOCIATE DEGREE		DIPLOMA	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
ALL REPORTING PROGRAMS												
1968	14,974	100.0	265	1.8	6,209	41.5	6,071	40.5	62	0.4	2,367	15.8
1970	15,555	100.0	334	2.1	6,781	43.6	6,372	41.0	78	0.5	1,990	12.8
1972	16,794	100.0	445	2.6	8,139	48.5	6,589	39.2	66	0.4	1,555	9.3
1974	19,204	100.0	682	3.6	9,985	52.0	7,110	37.0	118	0.6	1,309	6.8
1976	20,572	100.0	887	4.3	11,687	56.8	6,975	33.9	138	0.7	885	4.3
1978	20,217	100.0	1,062	5.3	12,637	62.5	5,865	29.0	83	0.4	570	2.8
1980	20,355	100.0	1,418	7.0	13,826	67.9	4,687	23.0	61	0.3	363	1.8
1982	19,742	100.0	1,657	8.4	14,085	71.3	3,751	19.0	35	0.2	214	1.1
1984	20,221	100.0	2,143	10.6	14,797	73.2	3,104	15.4	40	0.2	137	0.7
1986	17,978	100.0	2,404	13.0	13,480	75.0	1,969	10.7	46	0.2	79	0.4
BACCCALAUREATE AND HIGHER DEGREE												
1968	4,289	100.0	240	5.6	3,435	80.1	607	14.1	2	0.1	5	0.1
1970	4,887	100.0	305	6.2	3,864	79.1	692	14.2	5	0.1	21	0.4
1972	5,534	100.0	408	7.4	4,530	81.9	594	10.7	0	0.0	2	0.0
1974	7,044	100.0	621	8.8	5,578	79.2	833	11.8	5	0.1	7	0.1
1976	8,567	100.0	817	9.5	6,737	78.7	984	11.5	19	0.2	10	0.1
1978	8,794	100.0	992	11.3	7,072	80.4	717	8.2	4	0.0	9	0.1
1980	9,531	100.0	1,278	13.4	7,763	81.4	485	5.1	0	0.0	5	0.1
1982	9,502	100.0	1,533	16.1	7,647	80.5	321	3.4	0	0.0	1	0.0
1984	9,827	100.0	1,967	20.0	7,594	77.3	259	2.6	3	0.0	3	0.0
1986	9,184	100.0	2,176	23.7	6,844	74.5	164	1.8	0	0.0	0	0.0
ASSOCIATE DEGREE PROGRAMS												
1968	1,646	100.0	11	0.7	1,021	62.0	574	34.9	6	0.4	34	2.0
1970	2,461	100.0	10	0.4	1,444	58.7	947	38.5	24	1.0	36	1.4
1972	3,588	100.0	25	0.7	2,077	57.9	1,401	39.0	27	0.8	58	1.6
1974	4,995	100.0	46	0.9	2,824	56.5	1,962	39.3	60	1.2	103	2.1
1976	5,680	100.0	57	1.0	3,304	58.2	2,147	37.8	63	1.1	109	1.9
1978	5,939	100.0	56	0.9	3,795	63.9	1,927	32.5	56	0.9	105	1.8
1980	6,036	100.0	128	2.1	4,216	69.8	1,593	26.4	34	0.6	65	1.1
1982	5,863	100.0	108	1.8	4,394	74.9	1,295	22.1	27	0.5	39	0.7
1984	6,452	100.0	162	2.5	4,977	77.1	1,238	19.2	30	0.5	45	0.7
1986	5,907	100.0	200	3.4	4,729	80.1	929	15.7	23	0.4	29	0.5
DIPLOMA PROGRAMS												
1968	9,039	100.0	14	0.2	1,753	19.4	4,890	54.1	54	0.6	2,328	25.7
1970	8,207	100.0	19	0.2	1,473	17.9	4,733	57.7	49	0.6	1,933	23.6
1972	7,672	100.0	12	0.1	1,532	20.0	4,594	59.9	39	0.5	1,495	19.5
1974	7,165	100.0	15	0.2	1,583	22.1	4,315	60.2	53	0.8	1,199	16.7
1976	6,325	100.0	13	0.2	1,646	26.0	3,844	60.8	56	0.9	766	12.1
1978	5,484	100.0	14	0.3	1,770	32.3	3,221	58.7	23	0.4	456	8.3
1980	4,788	100.0	12	0.2	1,847	38.6	2,609	54.5	27	0.6	293	6.1
1982	4,377	100.0	16	0.3	2,044	46.7	2,135	48.8	8	0.2	174	4.0
1984	3,942	100.0	14	0.4	2,226	56.5	1,606	40.7	7	0.2	89	2.3
1986	2,884	100.0	28	1.0	1,907	66.1	876	30.4	23	0.8	50	1.7

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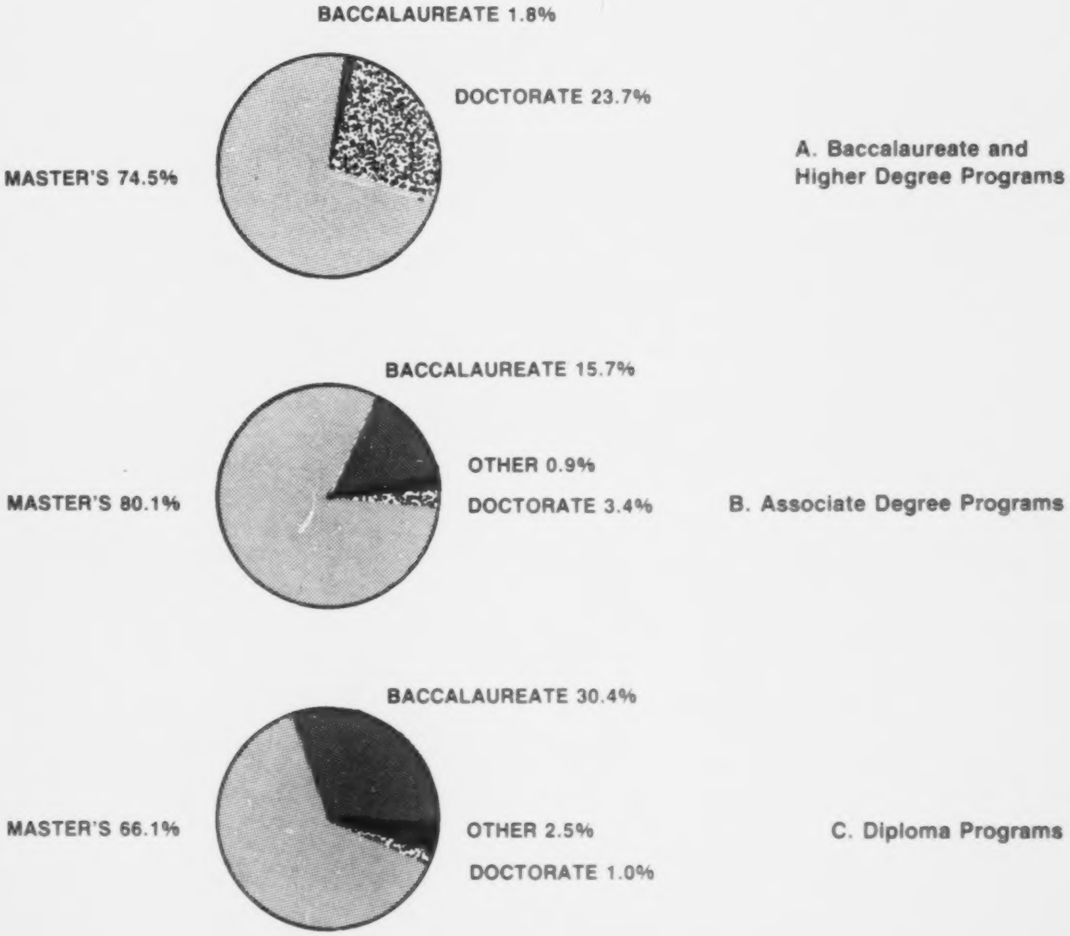
[1] Chief administrator of programs not included in this table

Highest Earned Credentials of Full-Time Faculty by Program Type, 1986 (Figure F-9)

- These pie graphs show the percentages of full-time faculty in each type of nursing education program holding the various academic credentials. These data are presented and discussed in Table F-12.
- The percentage of full-time faculty with graduate degrees is 98.2 percent in baccalaureate and higher degree programs, 83.5 percent in associate degree programs, and 67.1 percent in diploma programs.

Figure F-9
HIGHEST EARNED CREDENTIALS OF FULL-TIME NURSE FACULTY, BY PROGRAM TYPE: 1986



Credentials of Part-Time Faculty by Program Type, 1968-1986 (Table F-13)

- Between 1984 and 1986, there was an increase in the percentage of all part-time faculty with doctoral degrees from 3.2 to 5.7 percent.
- In baccalaureate and higher degree programs, 89.8 percent of the part-time faculty had graduate preparation. This figure included 9.5 percent with doctorates and 80.3 percent with master's degrees as their highest earned credentials.
- There has been a continuing decrease in the percentage of part-time faculty in baccalaureate and higher degree programs with only a baccalaureate degree.. Between 1976 and 1986, this percentage dropped from 31.1 percent to 10.1 percent.
- Associate degree programs experienced a continued increase in the percentage of master's prepared faculty, which increased from 39.2 percent in 1984 to 47.5 percent in 1986.
- Over 49 percent of part-time faculty teaching in associate degree programs reported having a graduate degree. This figure includes slightly less than 2 percent with doctorates; the remaining 47.5 percent had master's degrees as their highest earned credential.
- Of the part-time faculty in diploma programs, 47.7 percent had graduate preparation, with 1.7 percent holding doctoral degrees. Faculty with baccalaureate degrees no longer constitute the majority of part-time diploma faculty.

Table F-13

HIGHEST EARNED CREDENTIAL OF PART-TIME NURSE FACULTY, BY TYPE OF PROGRAM: 1968-1986

YEAR	TOTAL PART-TIME FACULTY REPORTED		HIGHEST EARNED CREDENTIAL									
			DOCTORATE		MASTER'S		BACCALAUREATE		ASSOCIATE DEGREE		DIPLOMA	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
ALL REPORTING PROGRAMS												
1968	2,335	100.0	35	1.5	719	30.8	995	42.6	10	0.4	576	24.7
1970	2,556	100.0	45	1.8	842	32.9	1,124	44.0	19	0.7	526	20.6
1972	2,879	100.0	73	2.5	1,054	36.6	1,343	46.7	30	1.0	379	13.2
1974	3,780	100.0	104	2.8	1,381	36.5	1,815	48.0	46	1.2	434	11.5
1976	4,121	100.0	116	2.8	1,626	39.4	1,952	47.4	57	1.4	370	9.0
1978	4,457	100.0	131	2.9	1,975	44.3	2,043	45.9	49	1.1	259	5.8
1980	4,781	100.0	114	2.4	2,379	49.8	1,977	41.3	72	1.5	239	5.0
1982	5,167	100.0	189	3.7	2,673	51.7	2,089	40.4	64	1.3	152	2.9
1984	6,295	100.0	200	3.2	3,488	55.4	2,355	37.4	97	1.5	155	2.6
1986	5,818	100.0	330	5.7	3,728	64.1	1,645	28.3	41	0.7	74	1.3
BACCALAUREATE AND HIGHER DEGREE PROGRAMS												
1968	520	100.0	18	3.4	329	63.3	168	32.3	0	0.0	5	1.0
1970	677	100.0	22	3.2	440	65.0	197	29.1	0	0.0	18	2.7
1972	877	100.0	39	4.5	566	64.5	266	30.3	0	0.0	6	0.7
1974	1,338	100.0	76	5.7	819	61.2	431	32.2	1	0.1	11	0.8
1976	1,761	100.0	91	5.2	1,098	62.4	548	31.1	6	0.3	18	1.0
1978	1,919	100.0	109	5.7	1,278	66.6	522	27.2	0	0.0	10	0.5
1980	2,108	100.0	96	4.6	1,589	75.4	418	19.8	4	0.2	0	0.0
1982	2,254	100.0	177	7.9	1,672	74.2	404	17.9	0	0.0	1	0.0
1984	2,726	100.0	170	6.2	2,138	78.4	416	15.3	2	0.0	0	0.0
1986	2,962	100.0	282	9.5	2,379	80.3	299	10.1	0	0.0	2	0.1
ASSOCIATE DEGREE PROGRAMS												
1968	172	100.0	0	0.0	55	32.0	98	57.0	4	2.3	15	8.7
1970	298	100.0	1	0.3	97	32.6	170	57.0	5	1.7	25	8.4
1972	660	100.0	3	0.5	207	31.4	389	58.9	16	2.4	45	6.8
1974	1,210	100.0	17	1.4	357	29.5	685	56.6	30	2.5	121	10.0
1976	1,419	100.0	18	1.3	357	25.2	874	61.6	40	2.8	130	9.1
1978	1,622	100.0	8	0.5	486	30.0	989	61.0	43	2.6	96	5.9
1980	1,852	100.0	12	0.7	580	31.3	1,082	58.4	63	3.4	115	6.2
1982	2,146	100.0	7	0.3	768	35.8	1,240	57.8	57	2.7	74	3.4
1984	2,821	100.0	24	0.9	1,106	39.2	1,495	53.0	91	3.2	105	3.7
1986	2,317	100.0	39	1.7	1,101	47.5	1,093	47.2	40	1.7	44	1.9
DIPLOMA PROGRAMS												
1968	1,643	100.0	17	1.0	355	20.4	729	44.4	6	0.4	556	33.8
1970	1,581	100.0	17	1.0	305	19.3	757	47.9	14	0.9	483	30.5
1972	1,342	100.0	31	2.3	281	20.9	688	51.3	14	1.0	328	24.5
1974	1,232	100.0	11	0.9	205	16.7	699	56.7	15	1.2	302	24.5
1976	941	100.0	7	0.7	171	18.2	530	56.3	11	1.2	222	23.6
1978	916	100.0	14	1.5	211	23.0	532	58.1	6	0.7	153	16.7
1980	821	100.0	6	0.7	210	25.6	477	58.1	8	1.0	120	14.2
1982	767	100.0	5	0.7	233	30.4	445	58.0	7	0.9	77	10.0
1984	748	100.0	6	0.8	244	32.6	444	59.4	4	0.5	50	6.7
1986	539	100.0	9	1.7	248	46.0	253	46.9	1	0.2	28	5.2

Credentials of Full-Time Faculty by Region, 1972-1986 (Table F-14)

- All NLN regions showed a steady increase in the percentage of full-time faculty holding a doctoral degree.
- The North Atlantic and Western regions had the greatest increases in the last two years of faculty prepared at the doctoral level (3.8% and 3.4%, respectively).
- The West had the highest percentage of faculty with doctorates (19.2%), while the Midwest had the lowest (9.8%).
- The Midwest had the highest percentage of faculty without a graduate degree (15.2%), while the West had the lowest (7%).

Table F-14
HIGHEST EARNED CREDENTIAL OF FULL-TIME FACULTY, BY NLN REGION: 1972-1986

YEAR BY NLN REGION	TOTAL FULL-TIME FACULTY REPORTED		HIGHEST EARNED CREDENTIAL									
			Doctorate		Master's		Baccalaureate		Associate Degree		Diploma	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
North Atlantic												
1972	5,948	100.0	163	2.7	2,816	47.3	2,313	38.9	22	0.4	634	10.7
1974	6,232	100.0	216	3.5	3,205	51.4	2,282	36.6	42	0.7	487	7.8
1976	6,000	100.0	249	4.2	3,420	57.0	1,987	33.1	40	0.6	304	5.0
1978	5,498	100.0	273	5.0	3,508	63.8	1,514	27.5	18	0.3	185	3.4
1980	5,581	100.0	428	7.7	3,806	68.2	1,205	21.6	13	0.2	129	2.3
1982	5,333	100.0	493	9.2	3,798	71.2	953	17.9	8	0.2	81	1.5
1984	5,128	100.0	535	10.4	3,763	73.4	779	15.2	14	0.3	37	0.7
1986	4,980	100.0	705	14.2	3,731	74.9	513	10.3	16	0.3	15	0.3
Midwestern												
1972	4,961	100.0	106	2.1	2,116	42.7	2,155	43.4	13	0.3	571	11.5
1974	5,693	100.0	176	3.1	2,596	45.6	2,403	42.2	23	0.4	495	8.7
1976	6,146	100.0	231	3.8	3,044	49.5	2,496	40.6	31	0.5	344	5.6
1978	6,245	100.0	295	4.7	3,406	54.5	2,296	36.8	26	0.4	222	3.6
1980	6,048	100.0	351	5.8	3,697	61.1	1,836	30.4	27	0.4	137	2.3
1982	5,979	100.0	428	7.2	3,936	65.8	1,522	25.4	11	0.2	82	1.4
1984	6,299	100.0	537	8.5	4,448	70.6	1,243	19.7	7	0.1	64	1.0
1986	4,930	100.0	485	9.8	3,690	74.9	702	14.2	7	0.1	46	0.9
Southern												
1972	3,857	100.0	99	2.6	1,831	47.5	1,601	41.5	27	0.7	299	7.7
1974	4,906	100.0	168	3.4	2,456	50.1	1,948	39.7	40	0.8	294	6.0
1976	5,830	100.0	237	4.1	3,249	55.7	2,093	35.9	46	0.8	205	3.5
1978	5,947	100.0	282	4.7	3,779	63.5	1,724	29.0	28	0.5	134	2.3
1980	6,209	100.0	378	6.1	4,361	70.2	1,364	22.0	18	0.3	88	1.4
1982	6,060	100.0	466	7.7	4,507	74.4	1,030	17.0	11	0.2	46	0.7
1984	6,295	100.0	676	10.7	4,709	74.8	863	13.7	15	0.2	32	0.5
1986	5,762	100.0	772	13.4	4,357	75.6	601	10.4	18	0.3	14	0.2
Western												
1972	2,028	100.0	77	3.8	1,376	67.9	520	25.6	4	0.2	51	2.5
1974	2,373	100.0	122	5.1	1,728	72.8	477	20.1	13	0.6	33	1.4
1976	2,596	100.0	170	6.5	1,974	76.1	399	15.4	21	0.8	32	1.2
1978	2,527	100.0	212	8.4	1,944	76.8	331	13.2	11	0.4	29	1.2
1980	2,517	100.0	261	10.4	1,962	77.9	282	11.2	3	0.1	9	0.4
1982	2,370	100.0	270	11.4	1,844	77.8	246	10.4	5	0.2	5	0.2
1984	2,499	100.0	395	15.8	1,877	75.1	219	8.8	4	0.2	4	0.2
1986	2,306	100.0	442	19.2	1,703	73.9	153	6.6	4	0.2	4	0.2

Credentials of Full-Time and Part-Time Faculty by State (Table F-15)

- In 1986, Alabama, California, Colorado, Hawaii, Nevada, Oregon, Washington, Wyoming, and the District of Columbia reported that more than 20 percent of full-time faculty (excluding administrators) had an earned doctorate as the highest credential.

- Twenty-five states reported that 10 to 20 percent of all full-time faculty held a doctorate as the highest credential.

- The states with over 150 full-time faculty members holding a doctorate were California, New York, Texas, and Pennsylvania.

- The states reporting the highest numbers of part-time faculty with doctoral degrees were California and New York.

- Pennsylvania and Ohio reported the highest numbers of full-time faculty members having the baccalaureate as their highest credential.

- The greatest numbers of full-time faculty holding an associate degree as their highest credential were found in Iowa, New York, Massachusetts, and North Carolina.

- Full-time faculty with diplomas in nursing as their highest credential were found in the highest numbers in Missouri, Iowa, and Ohio.

Table F-15
HIGHEST EARNED CREDENTIAL OF FULL-TIME AND PART-TIME FACULTY,[1] BY STATE

JURISDICTION	TOTAL PROGRAMS QUESTIONED	NUMBER PROGRAMS RESPONDING	FULL-TIME FACULTY						PART-TIME FACULTY					
			Total	Highest Earned Credential					Total	Highest Earned Credential				
				Doctorate	Master's	Baccalaureate	Associate Degree	Diploma		Doctorate	Master's	Baccalaureate	Associate Degree	Diploma
Alabama	37	31	508	114	380	14	0	0	64	3	42	19	0	0
Alaska	2	2	25	4	21	0	0	0	10	0	5	5	0	0
Arizona	17	16	190	44	136	10	0	0	185	19	120	45	0	1
Arkansas	21	21	194	27	115	48	2	2	40	3	20	13	4	0
California	101	90	1,182	283	848	49	1	1	426	58	273	90	3	2
Colorado	17	14	138	31	104	2	1	0	72	5	53	14	0	0
Connecticut	22	18	221	40	174	7	0	0	117	8	84	25	0	0
Delaware	7	6	84	8	62	14	0	0	28	1	10	17	0	0
District of Columbia	6	6	125	35	90	0	0	0	37	3	34	0	0	0
Florida	45	36	445	66	310	68	0	1	147	4	76	67	0	0
Georgia	35	31	336	34	282	20	0	0	94	15	51	27	0	1
Hawaii	6	4	46	11	33	2	0	0	17	1	12	4	0	0
Idaho	8	7	57	3	46	8	0	0	15	1	7	7	0	0
Illinois	82	75	846	66	725	55	0	0	161	6	129	23	0	3
Indiana	42	38	502	60	412	30	0	0	180	12	118	50	0	0
Iowa	43	32	296	34	159	85	5	13	128	9	38	55	9	17
Kansas	32	29	258	29	188	41	0	0	63	6	43	14	0	0
Kentucky	31	25	224	6	202	16	0	0	57	2	38	17	0	0
Louisiana	23	22	353	43	286	24	0	0	30	0	26	4	0	0
Maine	12	10	94	7	77	9	1	0	17	0	9	8	0	0
Maryland	27	23	236	18	191	25	2	0	108	1	88	19	0	0
Massachusetts	56	50	668	100	496	63	7	2	342	10	268	62	0	2
Michigan	52	49	573	55	415	97	0	6	363	17	154	172	13	7
Minnesota	29	27	269	29	223	17	0	0	104	4	62	34	2	2
Mississippi	22	20	257	21	236	0	0	0	25	1	23	1	0	0
Missouri	48	39	456	47	306	88	0	15	115	9	62	43	0	1
Montana	4	4	85	4	77	4	0	0	16	0	10	6	0	0
Nebraska	16	15	218	7	188	21	0	2	53	2	38	13	0	0
Nevada	6	4	38	6	31	1	0	0	29	0	26	3	0	0
New Hampshire	11	8	70	6	42	22	0	0	21	1	14	6	0	0
New Jersey	46	40	476	48	393	34	0	1	138	4	119	14	0	1
New Mexico	15	13	82	12	54	15	1	0	19	0	11	8	0	0
New York	117	112	1,405	258	1,027	107	8	5	773	50	553	161	1	8
North Carolina	59	51	506	53	308	134	6	5	149	0	55	87	2	5
North Dakota	10	8	78	2	60	16	0	0	26	4	10	12	0	0
Ohio	72	73	959	95	647	206	1	10	324	15	158	138	2	11
Oklahoma	28	26	220	29	180	11	0	0	40	0	28	11	1	0
Oregon	18	14	167	36	115	15	0	1	53	4	36	13	0	0
Pennsylvania	109	102	1,481	180	1,037	257	0	7	380	20	245	109	0	6
Rhode Island	7	3	309	19	290	0	0	0	21	1	20	0	0	0
South Carolina	22	21	271	51	192	26	2	0	48	8	21	19	0	0
South Dakota	9	7	52	2	24	25	1	0	29	0	9	18	1	1
Tennessee	38	34	423	44	290	82	2	5	50	3	33	13	0	1
Texas	69	62	957	180	768	8	1	0	121	13	100	8	0	0
Utah	4	4	81	14	58	9	0	0	20	2	11	7	0	0
Vermont	7	7	47	4	42	1	0	0	16	0	8	8	0	0
Virginia	43	37	395	67	269	56	2	1	110	5	84	21	0	0
Washington	32	24	285	62	195	27	1	0	136	4	95	33	1	3
West Virginia	20	19	214	16	156	42	0	0	49	0	16	33	0	0
Wisconsin	37	34	477	66	371	40	0	0	212	8	147	55	0	2
Wyoming	5	5	33	9	18	6	0	0	17	1	8	8	0	0
American Samoa	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Guam	2	1	11	0	7	4	0	0	2	0	2	0	0	0
Puerto Rico	19	17	222	3	191	27	1	0	73	4	52	15	2	0
Virgin Islands	2	2	18	2	16	0	0	0	1	0	1	0	0	0
TOTAL	1,852	1,468	18,163	2,490	13,563	1,988	45	77	5,871	347	3,755	1,654	41	74

[1] Excluding chief administrator of program

Credentials of Full-Time Faculty in Accredited and Non-Accredited Programs (Table F-16)

- In the last 14 years, the percentage of faculty with doctoral degrees across all types of accredited programs has increased fivefold, from 3 percent in 1972 to 14.9 percent in 1986. In non-accredited programs, the percentage of doctorally prepared faculty is much lower, but over the 14-year period it has increased from 1.4 percent to 3.6 percent.

- Master's prepared faculty in both accredited and non-accredited programs have increased from about 48 or 49 percent to about 75 percent in the last 14 years.

- In accredited baccalaureate and higher degree programs, 98.5 percent of the faculty have a graduate degree, while in non-accredited programs 94.9 percent have a graduate degree.

- In accredited associate degree programs, 87.8 percent of faculty have a graduate degree. In contrast, in non-accredited programs only 72.3 percent of the faculty have graduate degrees.

- In accredited diploma programs, 66.2 percent of faculty had graduate preparation, compared with 60.5 percent in non-accredited diploma programs.

Table F-16

HIGHEST EARNED CREDENTIAL OF FULL-TIME FACULTY IN ACCREDITED AND NON-ACCREDITED PROGRAMS: 1972-1986

YEAR	ACCREDITED PROGRAMS						NON-ACCREDITED PROGRAMS					
	Number of Faculty	Doctorate %	Master's %	Baccalaureate %	Associate Degree %	Diploma %	Number of Faculty	Doctorate %	Master's %	Baccalaureate %	Associate Degree %	Diploma %
ALL REPORTING PROGRAMS												
1972	13,242	3.0	48.3	38.7	0.3	9.7	3,552	1.4	49.0	41.2	0.9	7.5
1974	15,138	4.0	52.5	36.0	0.4	7.1	4,066	1.8	50.2	41.0	1.3	5.7
1976	16,612	5.0	57.8	32.3	0.6	4.3	3,963	1.6	52.8	40.6	0.9	4.1
1978	16,483	5.9	63.2	27.9	0.3	2.7	3,734	2.1	59.3	34.1	1.1	3.4
1980	16,934	7.5	68.3	22.2	0.3	1.7	3,421	4.3	66.2	27.0	0.4	2.1
1982	16,713	9.3	71.7	17.9	0.1	1.0	3,029	3.7	69.4	25.1	0.5	1.3
1984	17,208	11.7	73.7	13.9	0.2	0.6	2,863	3.8	68.8	25.5	0.5	1.4
1986	15,541	14.9	74.6	9.6	0.2	0.3	2,431	3.6	75.0	19.5	0.4	1.0
BACCALAUREATE AND HIGHER DEGREE												
1972	4,912	7.6	82.2	10.2	0.0	0.0	622	5.9	78.9	15.0	0.0	0.2
1974	6,193	9.2	79.9	10.9	0.0	0.0	851	6.2	74.1	18.6	0.3	0.8
1976	7,637	10.1	79.4	10.2	0.3	0.0	933	4.7	72.2	21.8	0.5	0.8
1978	7,842	11.9	81.1	7.0	0.0	0.0	952	6.1	75.1	17.9	0.4	0.5
1980	8,441	13.9	81.4	4.7	0.0	0.0	1,090	9.7	81.9	8.4	0.0	0.0
1982	8,632	16.8	80.0	3.2	0.0	0.0	870	9.3	84.9	5.3	0.0	0.0
1984	8,959	21.1	76.6	2.3	0.0	0.0	718	8.9	80.5	10.4	0.1	0.0
1986	8,429	25.3	73.2	1.5	0.0	0.0	752	6.1	88.8	5.1	0.0	0.0
ASSOCIATE DEGREE PROGRAMS												
1972	1,442	1.0	64.7	33.0	0.4	0.9	2,146	0.5	53.3	43.1	1.0	2.1
1974	2,349	1.1	63.5	33.6	0.9	0.9	2,646	0.7	50.4	44.3	1.5	3.1
1976	3,078	1.3	63.8	32.9	1.2	0.8	2,602	0.7	51.5	43.5	1.0	3.3
1978	3,464	1.0	68.2	29.3	0.8	0.7	2,475	0.8	58.0	36.8	1.1	3.3
1980	3,932	2.2	73.6	23.1	0.6	0.5	2,104	1.9	62.8	32.7	0.4	2.2
1982	3,838	2.1	80.2	17.2	0.3	0.2	2,025	1.3	65.0	31.3	0.8	1.6
1984	4,400	2.7	82.5	14.3	0.4	0.2	2,052	2.2	65.7	29.7	0.6	1.8
1986	4,266	3.7	84.1	11.9	0.3	0.1	1,641	2.5	69.8	25.7	0.5	1.5
DIPLOMA PROGRAMS												
1972	6,888	0.2	20.7	60.2	0.4	18.5	784	0.1	13.7	56.8	1.5	27.9
1974	6,596	0.2	22.8	60.3	0.7	16.0	569	0.2	13.7	59.4	1.7	25.0
1976	5,897	0.2	26.6	60.6	0.8	11.8	428	0.0	18.0	63.3	2.1	16.6
1978	5,177	0.3	32.9	58.5	0.3	8.0	307	0.0	21.2	62.5	2.9	13.4
1980	4,561	0.3	39.4	54.0	0.5	5.8	227	0.0	22.0	63.5	2.6	11.9
1982	4,243	0.4	47.1	48.4	0.2	3.9	134	0.0	33.6	61.2	0.0	5.2
1984	3,849	0.4	56.7	40.5	0.2	2.2	93	0.0	46.2	49.5	1.1	3.2
1986	2,846	1.0	66.2	30.3	0.8	1.7	38	0.0	60.5	36.8	0.0	2.6

Credentials of Part-Time Faculty in Accredited and Non-Accredited Programs (Table F-17)

- Seventy-three percent of part-time faculty in all accredited programs have graduate degrees, in contrast to 56 percent in non-accredited programs.

- The distribution of credentials of part-time faculty in baccalaureate and higher degree programs is very similar in accredited and non-accredited programs.

- Accredited associate degree programs have a higher percentage of part-time faculty with master's degree preparation (52.3%) than non-accredited programs (37.1%). A lower percentage of part-time faculty in accredited associate degree programs have the baccalaureate as their highest credential (44.1%) than in non-accredited programs (53.9%).

- Accredited diploma programs have a higher percentage (46.4%) of master's prepared faculty than do non-accredited programs (27.3%).

Table F-17

HIGHEST EARNED CREDENTIAL OF PART-TIME FACULTY IN ACCREDITED AND NON-ACCREDITED PROGRAMS: 1972-1986

YEAR	ACCREDITED PROGRAMS						NON-ACCREDITED PROGRAMS					
	Number of Faculty	Doctorate %	Master's %	Baccalaureate %	Associate Degree %	Diploma %	Number of Faculty	Doctorate %	Master's %	Baccalaureate %	Associate Degree %	Diploma %
ALL REPORTING PROGRAMS												
1972	2,213	2.5	38.0	45.0	1.2	13.3	666	2.7	32.0	52.3	0.4	12.6
1974	2,831	2.9	38.4	47.1	1.0	10.6	949	2.3	31.1	50.6	1.9	14.1
1976	3,175	3.1	42.9	45.4	0.9	7.7	946	1.9	28.0	53.9	3.1	13.1
1978	3,438	3.3	47.7	43.3	0.5	5.2	1,019	1.7	32.8	54.5	3.2	7.8
1980	3,791	2.7	53.0	39.3	0.9	4.1	990	1.2	37.3	49.2	3.7	8.6
1982	4,076	4.3	55.7	36.8	0.8	2.4	1,091	1.4	36.8	53.9	2.9	5.0
1984	4,943	3.4	60.1	33.8	0.6	1.6	1,352	2.4	36.2	50.7	4.9	5.7
1986	4,647	6.2	67.0	25.7	0.3	0.9	1,170	3.6	52.4	38.6	2.5	2.9
BACCCALAUREATE AND HIGHER DEGREE												
1972	750	4.4	67.1	28.1	0.0	0.4	127	4.7	49.6	43.3	0.0	2.4
1974	1,125	6.1	63.0	30.2	0.1	0.6	213	3.3	52.1	42.7	0.0	1.9
1976	1,540	4.8	62.8	31.4	0.3	0.7	221	7.7	58.8	29.4	0.9	3.2
1978	1,670	5.8	68.0	25.7	0.0	0.5	249	5.2	57.5	36.9	0.0	0.4
1980	1,866	4.7	75.6	19.5	0.0	0.2	242	3.7	73.6	22.3	0.4	0.0
1982	2,028	8.2	73.9	17.9	0.0	0.0	226	4.9	77.0	18.1	0.0	0.0
1984	2,404	6.2	80.3	13.5	0.0	0.0	322	6.2	64.6	28.6	0.0	0.0
1986	2,533	9.7	80.5	9.7	0.0	0.1	428	8.4	79.2	12.4	0.0	0.0
ASSOCIATE DEGREE PROGRAMS												
1972	314	0.0	35.4	58.3	4.1	2.2	346	0.9	27.7	59.5	0.9	11.0
1974	582	0.4	32.5	61.5	2.7	2.9	628	2.4	26.7	52.1	2.2	16.6
1976	742	2.4	31.1	61.5	1.8	3.2	677	0.0	18.6	61.7	4.0	15.7
1978	898	0.6	34.3	60.8	1.1	3.2	724	0.4	24.6	61.2	4.6	9.2
1980	1,141	0.9	34.8	58.9	2.3	3.1	711	0.3	25.7	57.7	5.1	11.2
1982	1,312	0.3	41.4	54.6	1.9	1.8	834	0.4	27.0	62.8	3.8	6.0
1984	1,815	0.7	39.4	50.5	1.4	1.6	1,006	1.2	27.3	57.5	6.5	7.6
1986	1,596	2.1	52.3	44.1	0.7	0.8	731	0.7	37.1	53.9	4.0	4.4
DIPLOMA PROGRAMS												
1972	1,149	1.9	19.8	52.3	1.2	24.8	193	4.7	28.0	45.0	0.0	22.3
1974	1,124	1.0	16.8	56.7	1.0	24.5	108	0.0	14.8	57.4	3.7	24.1
1976	893	0.7	18.2	56.3	1.2	23.6	48	2.1	18.8	56.2	0.0	22.9
1978	870	1.5	22.8	58.8	0.7	16.2	46	2.2	28.2	43.5	0.0	26.1
1980	784	0.6	25.8	57.9	1.0	14.7	37	2.7	21.6	62.2	0.0	13.5
1982	736	0.5	31.3	57.3	1.0	9.9	31	3.2	9.7	74.2	0.0	12.9
1984	724	0.7	32.7	59.3	0.6	6.8	24	4.2	29.2	62.5	0.0	4.2
1986	528	1.5	46.4	47.0	0.1	4.9	11	9.1	27.3	45.5	0.0	18.2

Nursing Versus Non-Nursing Degrees: Full-Time Faculty (Table F-18)

- This table reports the percentage of full-time faculty that have their highest degree in nursing or in another field. The information is presented by type of program and NLN region. When interpreting percentages, be sure to note the differences in actual numbers of faculty in each section of the table.

- Over all programs, 33.7 percent of the doctoral degrees are in nursing. The Western and North Atlantic regions have the highest percentage of nursing degrees (43.1% and 41.0%, respectively).

- In baccalaureate and higher degree programs, 35.7 percent of the full-time faculty with doctoral degrees have their doctorate in nursing. Again, the highest percentages are in the Western and North Atlantic regions.

- In baccalaureate and higher degree programs, 94.9 percent of the full-time faculty whose highest credential is a master's degree have their degree in nursing. In associate degree programs, 80 percent of the master's prepared faculty have degrees in nursing; in diploma programs, 63 percent of the master's prepared faculty have nursing degrees.

- Over all programs, 85.4 percent of the baccalaureate-prepared faculty have their degree in nursing. In baccalaureate and higher degree programs, 97 percent of the full-time faculty prepared at the baccalaureate level majored in nursing.

Table F-18

CREDENTIALS OF FULL-TIME FACULTY: PERCENTAGE OF NURSING AND NON-NURSING DEGREES, BY TYPE OF PROGRAM AND NLN REGION

NLN REGION	DOCTORATE			MASTER'S DEGREE			BACCALAUREATE		
	Total Number	Nursing Major (percent)	Non-Nursing Major (percent)	Total Number	Nursing Major (percent)	Non-Nursing Major (percent)	Total Number	Nursing Major (percent)	Non-Nursing Major (percent)
ALL REPORTING RN PROGRAMS									
All Regions	2,404	33.7	66.3	13,485	85.8	14.2	2,049	85.4	14.6
North Atlantic	705	41.0	59.0	3,731	87.6	12.4	513	89.6	10.4
Midwestern	485	22.5	77.5	3,690	81.4	18.6	782	81.6	18.4
Southern	772	28.6	71.4	4,361	89.2	10.8	601	86.2	13.8
Western	442	43.1	56.9	1,703	85.5	14.5	153	87.6	12.4
BACCALAUREATE AND HIGHER DEGREE PROGRAMS									
All Regions	2,176	35.7	64.3	6,844	94.9	5.1	164	97.0	3.0
North Atlantic	646	42.3	57.7	1,880	96.2	3.8	23	100.0	0.0
Midwestern	441	22.9	77.1	1,882	93.0	7.0	74	98.6	1.4
Southern	692	31.1	68.9	2,200	95.3	4.7	56	94.6	5.4
Western	397	47.4	52.6	882	95.0	5.0	11	90.9	9.1
ASSOCIATE DEGREE PROGRAMS									
All Regions	200	15.5	84.5	4,738	80.0	20.0	929	91.2	8.8
North Atlantic	39	35.9	64.1	1,013	85.8	14.2	109	90.8	9.2
Midwestern	36	22.2	77.8	1,130	75.8	24.2	310	92.3	7.7
Southern	80	7.5	92.5	1,812	81.4	18.6	372	91.9	8.1
Western	45	6.7	93.3	781	75.5	24.5	138	87.0	13.0
DIPLOMA PROGRAMS									
All Regions	28	7.1	92.9	1,907	63.3	36.7	876	84.9	15.1
North Atlantic	20	10.0	90.0	838	70.4	29.6	381	88.7	11.3
Midwestern	8	0.0	100.0	678	59.3	40.7	318	87.7	12.3
Southern	0	0.0	0.0	351	75.2	24.8	173	71.1	28.9
Western	0	0.0	0.0	40	70.0	30.0	4	100.0	0.0

Nursing Versus Non-Nursing Degrees: Part-Time Faculty (Table F-19)

- This table reports the percentage of part-time faculty that have their highest degree in nursing or in another field. The information is presented by type of program and NLN region. When interpreting percentages, be sure to note the differences in actual numbers of faculty in each section of the table.

- Of all part-time faculty with doctoral preparation, 22.4 percent have their degree in nursing.

- Among part-time faculty with a master's degree, 86.9 percent majored in nursing. In baccalaureate and higher degree programs, 91.8 percent of master's prepared part-time faculty have a nursing degree; in associate degree programs, 80.5 percent have a degree in nursing; and in diploma programs, 70 percent have a nursing degree.

- Across all programs, 94.3 percent of baccalaureate-prepared part-time faculty have a degree in nursing.

Table F-19
CREDENTIALS OF PART-TIME FACULTY: PERCENTAGE OF NURSING AND NON-NURSING DEGREES, BY TYPE OF PROGRAM AND REGION

NLN REGION	DOCTORATE			MASTER'S DEGREE			BACCALAUREATE		
	Total Number	Nursing Major (percent)	Non-Nursing Major (percent)	Total Number	Nursing Major (percent)	Non-Nursing Major (percent)	Total Number	Nursing Major (percent)	Non-Nursing Major (percent)
ALL REPORTING RN PROGRAMS									
All Regions	330	22.4	77.6	3,728	86.9	13.1	1,645	94.3	5.7
North Atlantic	98	29.6	70.4	1,364	89.7	10.3	410	95.1	4.9
Midwestern	88	17.0	83.0	966	83.9	16.1	618	94.7	5.3
Southern	61	18.0	82.0	752	86.3	13.7	374	93.6	6.4
Western	83	22.9	77.1	646	86.1	13.9	243	93.0	7.0
BACCALAUREATE AND HIGHER DEGREE PROGRAMS									
All Regions	282	21.1	78.9	2,379	91.8	8.2	299	95.0	5.0
North Atlantic	73	27.4	72.6	863	95.0	5.0	47	98.0	2.0
Midwestern	81	18.5	81.5	642	87.7	12.3	142	96.0	4.0
Southern	53	15.1	84.9	436	89.9	10.1	68	88.0	12.0
Western	75	22.7	77.3	438	93.2	6.8	42	100.0	0.0
ASSOCIATE DEGREE PROGRAMS									
All Regions	39	30.8	69.2	1,101	80.5	19.5	1,093	95.4	4.6
North Atlantic	22	36.4	63.6	373	85.0	15.0	247	96.8	3.2
Midwestern	3	0.0	100.0	245	80.0	20.0	366	95.9	4.1
Southern	7	28.6	71.4	276	81.9	18.1	279	96.4	3.6
Western	7	28.6	71.4	207	71.0	28.0	201	91.5	8.5
DIPLOMA PROGRAMS									
All Regions	9	22.2	77.8	248	70.0	30.0	253	88.1	11.9
North Atlantic	3	33.3	66.7	128	68.0	32.0	116	90.5	9.5
Midwestern	4	0.0	100.0	79	64.6	35.4	110	88.1	11.9
Southern	1	100.0	0.0	40	77.5	22.5	27	77.8	22.2
Western	1	0.0	100.0	1	100.0	0.0	0	0.0	0.0

Highest Earned Credentials of Graduate Faculty (Table 20)

- Table 20 presents the highest earned credential of faculty who teach at the graduate level.
- Of all full-time faculty teaching at the graduate level, 63.5 percent have a doctorate, with 32 percent of those individuals having a major in nursing.
- Of all full-time faculty teaching at both the graduate and undergraduate levels, 60.6 percent have a doctorate; 33.2 percent of these individuals have their doctorate in nursing.
- Of all part-time graduate faculty, 37.5 percent have a doctoral degree, and 23.5 percent of these individuals have their degree in nursing.

Table F-20
HIGHEST EARNED CREDENTIAL OF GRADUATE FACULTY, BY NLN REGION

NLN REGION	TOTAL GRADUATE FACULTY		PERCENT WITH CREDENTIAL					
			DOCTORATE		MASTER'S DEGREE		BACCALAUREATE	OTHER
	Number	Percent	Nursing	Non-Nursing	Nursing	Non-Nursing		
FULL-TIME FACULTY TEACHING ONLY AT THE GRADUATE LEVEL								
All Regions	1,064	100	20.3	43.2	34.1	0.3	0.3	0.1
North Atlantic	228	100	28.5	37.3	32.9	1.3	0.0	0.0
Midwestern	415	100	14.0	37.1	46.0	2.9	0.0	0.0
Southern	323	100	22.5	54.8	20.4	1.9	0.3	0.3
Western	98	100	20.4	44.9	31.6	0.0	3.1	0.0
FULL-TIME FACULTY TEACHING AT BOTH GRADUATE AND UNDERGRADUATE LEVELS								
All Regions	1,106	100	20.1	40.5	37.6	1.4	0.2	0.2
North Atlantic	226	100	17.3	31.0	50.4	0.9	0.0	0.4
Midwestern	230	100	15.7	51.7	29.6	2.6	0.0	0.4
Southern	349	100	21.2	38.1	39.8	5.7	0.3	0.0
Western	301	100	24.3	41.9	31.5	2.0	0.3	0.0
PART-TIME GRADUATE FACULTY								
All Regions	397	100	8.8	28.7	56.4	6.0	0.0	0.0
North Atlantic	90	100	8.9	23.3	57.8	10.0	0.0	0.0
Midwestern	114	100	5.3	31.6	57.0	6.1	0.0	0.0
Southern	88	100	15.9	21.6	60.0	4.5	0.0	0.0
Western	105	100	6.7	36.2	53.3	3.8	0.0	0.0

Faculty Characteristics

Ethnic Background of Administrators (Table F-21)

- The distribution of ethnic background of program administrators is presented in Table F-21.
- In general, a somewhat lower percentage of administrators than faculty members come from non-white ethnic background (see also Tables F-22 and F-23).

Table F-21
ETHNIC BACKGROUND OF ADMINISTRATORS: NUMBER AND PERCENT, BY TYPE OF PROGRAM[1]

TYPE OF PROGRAM	Total Administrators		American Indian or Alaskan Native		Asian or Pacific Islander		Black (Non-Hispanic)		Hispanic		White (Other Than Hispanic)	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Programs	1,833	100.0	8	0.4	30	1.6	73	4.0	20	1.1	1,702	92.9
Baccalaureate and Higher Higher Degree Programs	825	100.0	2	0.2	15	1.8	33	4.0	12	1.5	763	92.5
Associate Degree Programs	640	100.0	3	0.5	14	2.2	35	5.5	6	0.9	582	90.9
Diploma Programs	368	100.0	3	0.8	1	0.3	5	1.4	2	0.5	357	97.0

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Ethnic Background of Faculty (Tables F-22 and F-23)

- Percentages of full-time faculty who were members of ethnic minority groups in 1986 were generally similar to those found in 1984, with 9 percent belonging to an ethnic minority group.
- Associate degree programs had the highest percentage of full-time faculty from ethnic minority groups (11%), and diploma programs had the lowest percentage (6%).
- Diploma programs in the West reported the highest overall proportion of full-time faculty from minority groups, with 22.2 percent black, non-Hispanic, 14.8 percent Asian or Pacific Islander, and 2 percent American Indian or Alaskan Native. However, the actual number of minority faculty members in these programs was low since there are so few diploma programs in the Western region.
- Non-Hispanic blacks constitute the largest minority group among full-time faculty in all regions and program types.
- Overall, a smaller percentage of part-time faculty (6.8%) come from an ethnic minority background than is found for full-time faculty. Black (non-Hispanic) faculty members make up only 3.2 percent of part-time faculty, compared with 5.6 percent of full-time faculty.

Table F-22

ETHNIC BACKGROUND OF FULL-TIME FACULTY: NUMBER AND PERCENT, BY NLN REGION AND TYPE OF PROGRAM

NLN REGION[1]	Total Full-Time Faculty		American Indian or Alaskan Native		Asian or Pacific Islander		Black (Non-Hispanic)		Hispanic		White (Other Than Hispanic)	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
ALL REPORTING RN PROGRAMS												
All Regions	18,374	100.0	117	0.6	278	1.5	1,030	5.6	244	1.3	16,705	90.9
North Atlantic	5,146	100.0	24	0.5	64	1.2	226	4.4	23	0.5	4,809	93.5
Midwestern	5,072	100.0	26	0.5	62	1.2	192	3.8	31	0.6	4,761	93.9
Southern	5,731	100.0	36	0.6	55	1.0	509	8.9	142	2.5	4,989	87.1
Western	2,425	100.0	31	1.3	97	4.0	103	4.3	48	2.0	2,140	88.5
BACCALAUREATE AND HIGHER DEGREE PROGRAMS												
All Regions	9,200	100.0	57	0.6	125	1.4	481	5.2	146	3.3	8,391	91.2
North Atlantic	2,597	100.0	20	0.8	23	0.9	114	4.4	9	0.3	2,431	93.6
Midwestern	2,367	100.0	10	0.4	25	1.1	80	3.4	21	0.9	2,231	94.3
Southern	2,873	100.0	12	0.4	38	1.3	258	9.0	100	8.7	2,465	85.8
Western	1,363	100.0	15	1.1	39	2.9	29	2.1	16	1.2	1,264	92.7
ASSOCIATE DEGREE PROGRAMS												
All Regions	6,041	100.0	45	0.7	115	1.9	435	7.2	78	1.3	5,368	88.9
North Atlantic	1,215	100.0	3	0.2	23	1.9	88	7.2	8	0.7	1,093	90.0
Midwestern	1,584	100.0	4	0.3	28	1.8	83	5.2	4	0.3	1,465	92.5
Southern	2,234	100.0	23	1.0	14	0.6	202	9.0	38	1.7	1,957	87.6
Western	1,008	100.0	15	1.5	50	5.0	62	6.2	28	2.8	853	84.6
DIPLOMA PROGRAMS												
All Regions	3,133	100.0	15	0.5	38	1.2	114	3.6	20	0.6	2,946	94.0
North Atlantic	1,334	100.0	1	0.1	18	1.4	24	1.8	6	0.4	1,285	96.3
Midwestern	1,121	100.0	12	1.1	9	0.8	29	2.6	6	0.5	1,065	95.0
Southern	624	100.0	1	0.2	3	0.5	49	7.9	4	0.6	567	90.9
Western	54	100.0	1	1.9	8	14.8	12	22.2	4	7.4	29	53.7

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table F-23

ETHNIC BACKGROUND OF PART-TIME FACULTY: NUMBER AND PERCENT, BY NLN REGION AND TYPE OF PROGRAM

NLN REGION[1]	Total Part-Time Faculty		American Indian or Alaskan Native		Asian or Pacific Islander		Black Non-Hispanic		Hispanic		White Other Than Hispanic	
	N	%	N	%	N	%	N	%	N	%	N	%
ALL REPORTING RN PROGRAMS												
All Regions	5,919	100.0	14	0.2	72	1.2	265	4.5	54	0.9	5,514	93.2
North Atlantic	1,875	100.0	1	0.1	18	1.0	96	5.1	8	0.4	1,752	93.4
Midwestern	1,904	100.0	3	0.2	15	0.8	50	2.6	7	0.4	1,829	96.1
Southern	1,143	100.0	7	0.6	9	0.8	93	8.1	27	2.4	1,007	88.1
Western	997	100.0	3	0.3	30	3.0	26	2.6	12	1.2	926	92.9
BACCALAUREATE AND HIGHER DEGREE PROGRAMS												
All Regions	2,888	100.0	4	0.1	43	1.5	96	3.3	35	1.2	2,710	93.8
North Atlantic	889	100.0	1	0.1	10	1.1	45	5.1	2	0.2	831	93.5
Midwestern	897	100.0	1	0.1	8	0.9	15	1.7	2	0.2	871	97.1
Southern	525	100.0	0	0.0	6	1.1	28	5.3	25	4.8	466	88.8
Western	577	100.0	2	0.4	19	3.3	8	1.4	6	1.0	542	93.9
ASSOCIATE DEGREE PROGRAMS												
All Regions	2,374	100.0	9	0.4	23	1.0	152	6.4	17	0.7	2,173	91.5
North Atlantic	671	100.0	0	0.0	6	0.9	46	6.9	5	0.8	614	91.5
Midwestern	747	100.0	1	0.1	5	0.7	25	3.4	4	0.5	712	95.3
Southern	539	100.0	7	1.3	1	0.2	63	11.7	2	0.4	466	86.5
Western	417	100.0	1	0.2	11	2.6	18	4.3	6	1.4	381	91.4
DIPLOMA PROGRAMS												
All Regions	657	100.0	1	0.2	6	0.9	17	2.6	2	0.3	631	96.0
North Atlantic	315	100.0	0	0.0	2	0.6	5	1.6	1	0.3	307	97.5
Midwestern	260	100.0	1	0.4	2	0.8	10	3.9	1	0.4	246	94.6
Southern	79	100.0	0	0.0	2	2.5	2	2.5	0	0.0	75	94.9
Western	3	100.0	0	0.0	0	0.0	0	0.0	0	0.0	3	100.0

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Number of Male Faculty Members (Tables F-24 and F-25)

- A total of 606 male full-time faculty members and 375 male part-time faculty members were reported in the survey.
- Male faculty constituted 3.3 percent of the full-time faculty and 6.3 percent of the part-time faculty.
- Overall, there was less than one male full-time faculty member for every two nursing programs, and less than one male part-time faculty member for every three nursing programs.
- The percentage of male full-time faculty across regions ranged from 5.6 percent in the West to 1.7 percent in the North Atlantic. The Midwest reported the smallest percentage of male part-time faculty as well (4.9%).
- Associate degree programs had the lowest percentage of part-time male faculty (5.9%).
- The greatest percentages of part-time male faculty were found in baccalaureate programs in the South (14.1%), associate degree programs in the West (15.8%), and diploma programs in the Midwest (15.8%).

Table F-24

NUMBER AND PERCENT OF FULL-TIME MALE FACULTY, BY TYPE OF PROGRAM AND NLN REGION

NLN Region	Number of Responding Programs	Total Number of Full-Time Faculty	Number of Full-Time Male Faculty	Mean Number of Full-Time Male Faculty per Program	Full-Time Male-Faculty (percent of total)
ALL REPORTING PROGRAMS					
All Regions	1,456	18,380	606	0.4	3.3
North Atlantic	360	5,146	90	0.3	1.7
Midwestern	412	5,072	149	0.4	2.9
Southern	475	5,737	234	0.5	4.1
Western	199	2,425	133	0.7	5.6
BACCALAUREATE AND HIGHER DEGREE PROGRAMS					
All Regions	551	9,206	288	0.5	3.1
North Atlantic	140	2,597	42	0.3	1.6
Midwestern	162	2,367	56	0.3	2.7
Southern	179	2,879	141	0.8	4.9
Western	70	1,363	48	0.7	3.5
ASSOCIATE DEGREE PROGRAMS					
All Regions	689	6,041	219	0.3	3.6
North Atlantic	124	1,215	27	0.2	2.2
Midwestern	181	1,584	45	0.2	2.8
Southern	257	2,234	63	0.2	2.8
Western	127	1,008	84	0.7	8.3
DIPLOMA PROGRAMS					
All Regions	216	3,133	99	0.5	3.2
North Atlantic	96	1,334	20	0.2	1.5
Midwestern	79	1,121	48	0.6	4.3
Southern	39	624	30	0.8	4.8
Western	2	54	1	0.5	1.9

Table F-25

NUMBER AND PERCENT OF PART-TIME MALE FACULTY, BY TYPE OF PROGRAM AND NLN REGION

NLN Region	Number of Responding Programs	Total Number of Part-Time Faculty	Number of Part-Time Male Faculty	Mean Number of Part-Time Male Faculty per Program	Part-Time Male Faculty (percent of total)
ALL REPORTING PROGRAMS					
All Regions	1,456	5,919	375	0.3	6.3
North Atlantic	360	1,875	91	0.3	4.9
Midwestern	412	1,904	90	0.2	4.7
Southern	475	1,143	91	0.2	8.0
Western	199	997	103	0.5	10.3
BACCALAUREATE AND HIGHER DEGREE PROGRAMS					
All Regions	551	2,888	185	0.3	6.4
North Atlantic	140	889	42	0.3	4.7
Midwestern	162	897	32	0.2	3.6
Southern	179	525	74	0.4	14.1
Western	70	577	37	0.5	6.4
ASSOCIATE DEGREE PROGRAMS					
All Regions	689	2,374	140	0.2	5.9
North Atlantic	124	671	40	0.3	6.0
Midwestern	181	747	17	0.1	2.3
Southern	257	539	17	0.1	3.2
Western	127	417	66	0.5	15.8
DIPLOMA PROGRAMS					
All Regions	216	657	50	0.2	7.6
North Atlantic	96	315	9	0.1	2.9
Midwestern	79	260	41	0.5	15.8
Southern	39	79	0	0.0	0.0
Western	2	3	0	0.0	0.0

Faculty Workload

FACULTY WORKLOAD (Tables F-26 to F-34)

- For the information presented in Tables F-26 to F-34, each program was asked to indicate the number of hours and the number of students per week for a typical full-time faculty member. Baccalaureate and higher degree programs were asked to indicate the average number of hours and students per week for faculty teaching at the undergraduate level only, RN students only, at the graduate level only, and at both levels.

- The various faculty activities listed in the tables are described in the section on "Definition of Terms" at the beginning of this book.

Faculty Hours Per Week—Basic Nursing Students (Table F-26)

- Table F-26 shows the mean, standard deviation, and range for hours of faculty time per week for each activity for faculty teaching in basic nursing programs.

- Clinical teaching represents the major activity in the typical faculty workload, with a mean of 14.4 hours per week for all programs. A considerable difference was found among number of hours of clinical teaching by type of program. Generic baccalaureate programs had a mean of 13.6 and associate degree programs a mean of 13.7 hours per week, while diploma programs had the highest mean for clinical teaching of 17.9 hours per week.

- The means for undergraduate classroom teaching ranged from 3.9 hours per week in generic baccalaureate programs to 5.0 in diploma programs. The mean for associate degree programs was 4.7 hours per week.

- The highest figure for hours spent in advisement and counseling was reported in baccalaureate programs (3.5 hours per week) and the lowest in diploma programs (2.7 hours per week).

- The average (mean) number of nursing practice hours per week (not including clinical teaching) was quite low across all types of programs, 1.0 hours per week. The highest numbers of practice hours were reported by generic baccalaureate programs, with a mean of 1.7. Associate degree and diploma programs each reported a mean number of practice hours of 0.8 hours per week.

- Faculty spent the least amount of time per week in nursing research, with a mean of 0.8 hours per week for all programs. Baccalaureate programs reported greater undergraduate faculty research activity, with a mean of 1.7 hours per week.

- Mean hours per week for professional activities ranged from 2.7 in associate degree programs to 3.6 in baccalaureate programs.

Table F-26
COMPARISON OF FACULTY WORKLOAD, BY TYPE OF PROGRAM, FOR FACULTY TEACHING BASIC STUDENTS: MEAN, STANDARD DEVIATION, AND RANGE

FACULTY ACTIVITY	ALL PROGRAMS			BACCALAUREATE PROGRAMS (with Generic Students)			ASSOCIATE DEGREE PROGRAMS			DIPLOMA PROGRAMS		
	Mean	s.d.	Range	Mean	s.d.	Range	Mean	s.d.	Range	Mean	s.d.	Range
Classroom teaching	4.5	3.2	0-30	3.9	3.5	0-14	4.7	2.9	0-30	5.0	2.8	0-16
Clinical teaching	14.4	4.4	0-32	13.6	5.4	0-30	13.7	3.8	0-32	17.9	4.4	0-24
Advisement/counseling	3.8	2.7	0-22	3.5	2.7	0-22	4.2	3.0	0-16	2.7	1.5	0-9
Preparation hours	7.2	4.9	0-30	7.1	5.1	0-24	7.4	5.0	0-30	6.7	3.4	0-18
Nursing practice	1.0	2.7	0-20	1.7	3.0	0-20	0.8	2.4	0-16	0.8	2.6	0-20
Research	0.8	1.7	0-18	1.7	2.7	0-14	0.5	1.5	0-18	0.5	1.1	0-9
Committees	1.8	1.6	0-12	2.0	1.7	0-10	1.8	1.7	0-12	1.3	1.3	0-9
Professional activities (other)	3.0	2.3	0-21	3.6	2.8	0-10	2.7	2.1	0-21	3.0	1.7	0-10
Total faculty hours	38.3	10.1	10-89	38.3	14.2	14-78	36.5	9.7	14-89	37.9	6.4	10-70

Faculty Hours—Percentiles (Table F-27)

- The number of hours per week spent on each faculty activity is broken down into percentiles in Table F-27. The interval between the 25th percentile and the 75th percentile represents the middle 50 percent of programs (see "Definition of Terms" under *percentile*.) The median value (50th percentile) is a measure of the typical program in that half the programs are equal to or below that value and the other half are greater than that value.

- Most of the nursing education program faculty spend between three and five hours a week in classroom teaching. In diploma programs the 75th percentile was seven hours per week, in contrast to five hours for other programs.

- In clinical teaching, diploma faculty had a much higher average number of hours per week. The 25th percentile for diploma programs was 16 hours per week, while associate degree and generic baccalaureate programs reached 16 hours at the 75th percentile.

- More than 75 percent of associate degree and diploma programs do not report nursing practice as part of faculty workload.

- The typical faculty workload shows few hours devoted to research (see Table F-29). Only a small number of programs report research activities as part of their average workload, and more than 50 percent of programs reported no time spent in research each week.

Table F-27
COMPARISON OF FACULTY WORKLOAD, BY TYPE OF PROGRAM, FOR FACULTY TEACHING BASIC STUDENTS: PERCENTILES

FACULTY ACTIVITY	ALL PROGRAMS			BACCALAUREATE PROGRAMS (with Generic Students)			ASSOCIATE DEGREE PROGRAMS			DIPLOMA PROGRAMS		
	25th	50th	75th	25th	50th	75th	25th	50th	75th	25th	50th	75th
Classroom teaching	3	4	5	3	4	5	3	4	5	3	4	7
Clinical teaching	12	14	17	12	14	16	12	13	16	16	18	20
Advisement/counseling	2	3	5	2	3	5	2	4	5	2	2	3
Preparation hours	4	6	10	4	6	10	4	7	10	4	6	9
Nursing practice	0	0	1	0	0	4	0	0	0	0	0	0
Research	0	0	1	0	2	4	0	0	0	0	0	1
Committees	1	2	2	2	2	3	0	2	2	0	1	2
Professional activities (other)	2	3	4	2	3	4	1	2	4	2	3	4
Total faculty hours	33	38	42	32	38	44	30	36	41	35	40	41

Comparison of Undergraduate and Graduate Faculty Activities (Table F-28)

- Table F-28 presents a comparison of the number of hours spent in various activities by faculty who teach at the undergraduate level only, RN students only, at the graduate level only, and at both levels. Mean, standard deviation, and range are presented for each faculty activity.

- Faculty who teach only at the graduate level spend more hours in the classroom per week (a mean of 5.7 hours) than those teaching only at the undergraduate level (a mean of 3.9 hours), or at both levels (a mean of 4.7 hours). Conversely, undergraduate level faculty spend more time in clinical teaching (a mean of 13.6 hours for generic students and 12.5 hours per week for RN students) than faculty teaching only at the graduate level (a mean of 5.6 hours), or faculty teaching at both levels (a mean of 8.4 hours).

- The mean number of hours spent in advisement and counseling tended to be higher for faculty teaching graduate students (4.1 hours per week) than for those teaching at the undergraduate level (3.5 hours per week for generic students and 3.3 for RN students).

- Not surprisingly, the highest number of preparation hours was found among those teaching at both levels (8.0 hours per week), versus 7.1 hours for those teaching graduate students only, 7.1 hours for generic students, and 6.6 for RN students.

- Graduate faculty members were more likely to be involved in research. Programs report that faculty teaching only at the graduate level spend a mean of 4.6 hours per week in research activities and faculty members teaching at both levels have a mean of 3.4 hours per week. Undergraduate faculty reported a smaller mean of 1.7 hours per week for research for those teaching generic students only and 2.4 hours per week for those teaching RN students only.

Table F-28
FACULTY WORKLOAD—COMPARISON OF HOURS PER WEEK IN BACCALAUREATE AND HIGHER DEGREE PROGRAMS: MEAN, STANDARD DEVIATION, AND RANGE, BY LEVEL OF TEACHING

Faculty Activity	LEVEL OF FACULTY TEACHING											
	Undergraduate Generic Students Only			Undergraduate RN Students Only			Both Undergraduate and Graduate Students			Graduate Students Only		
	Mean	s.d.	Range	Mean	s.d.	Range	Mean	s.d.	Range	Mean	s.d.	Range
Classroom teaching	3.9	3.5	0-24	4.3	2.9	0-12	4.7	3.2	2-15	5.7	3.1	2-22
Clinical teaching	13.6	5.4	0-32	12.5	5.1	0-32	8.4	6.9	0-36	5.6	3.2	0-16
Advisement and counseling	3.5	2.7	0-25	3.3	2.6	0-12	3.8	3.0	0-14	4.1	2.1	0-12
Preparation hours	7.1	5.1	0-35	6.6	6.2	0-30	8.0	6.8	0-29	7.1	4.3	0-24
Nursing practice	1.7	3.0	0-24	1.6	2.1	0-20	1.6	2.4	0-9	1.9	3.1	0-18
Research	1.7	2.7	0-30	2.4	3.0	0-25	3.4	3.4	0-15	4.6	3.3	0-20
Committee work	2.0	1.7	0-10	2.2	1.8	0-8	2.3	1.2	0-12	2.1	1.4	0-8
Professional activities	3.6	2.8	0-20	3.0	2.9	0-10	5.1	3.4	0-16	4.5	3.1	0-20

Hours of Undergraduate and Graduate Teaching—Percentiles (Table F-29)

- Table F-29 presents the 25th, 50th, and 75th percentiles for the number of hours in the workload of faculty teaching only at the undergraduate level, those teaching RN students only, those teaching only at the graduate level, and those teaching at both levels.

- This table further delineates findings reported in Table F-28. Undergraduate faculty are more likely to be involved in clinical teaching, while graduate faculty are more likely to be involved in research.

Table F-29

FACULTY WORKLOAD—COMPARISON OF HOURS PER WEEK IN BACCALAUREATE AND HIGHER DEGREE PROGRAMS: PERCENTILES, BY LEVEL OF TEACHING

Faculty Activity	LEVEL OF FACULTY TEACHING											
	Undergraduate Generic Students Only			Undergraduate RN Students Only			Both Undergraduate and Graduate Students			Graduate Students Only		
	25th	50th	75th	25th	50th	75th	25th	50th	75th	25th	50th	75th
Classroom teaching	3	4	5	3	4	5	4	6	8	4	5	6
Clinical teaching	12	14	17	10	13	16	6	9	15	3	6	8
Advisement and counseling	2	3	4	2	3	4	2	4	6	2	4	5
Preparation hours	4	6	10	4	6	9	3	6	5	3	6	10
Nursing practice	0	0	3	0	0	2	0	0	4	0	0	4
Research	0	2	3	0	2	4	3	5	8	3	6	8
Committee work	2	2	3	0	2	4	0	2	4	1	2	4
Professional activities	2	3	6	2	3	4	3	4	6	2	4	5

Faculty Workload—Number of Basic Students per Week (Table F-30)

- Table F-30 shows the mean, standard deviation, and range for the number of basic (generic) students seen per week in various activities by a typical full-time faculty member, by type of program.

- Generic baccalaureate programs reported the highest mean number of students in classroom teaching (37.8 students per week). Associate degree programs reported a mean of 35.3 students and diploma programs, 26.4.

- The mean number of students taught in the clinical setting ranged from 8.2 students in the diploma programs to 10.4 students in generic baccalaureate programs, and 11.6 students in associate degree programs.

- In advisement and counseling, faculty in associate degree programs saw the highest mean number of students (9.7 students per week), and diploma programs had the lowest mean (5.8 students per week).

Table F-30

FACULTY WORKLOAD—NUMBER OF BASIC STUDENTS PER WEEK FOR A TYPICAL FULL-TIME FACULTY MEMBER: MEAN, STANDARD DEVIATION, AND RANGE, BY PROGRAM TYPE

FACULTY ACTIVITY	ALL PROGRAMS			BACCALAUREATE PROGRAMS (Generic Students)			ASSOCIATE DEGREE PROGRAMS			DIPLOMA PROGRAMS		
	Mean	s.d.	Range	Mean	s.d.	Range	Mean	s.d.	Range	Mean	s.d.	Range
Classroom teaching	28.0	22.1	0-321	37.8	26.1	0-195	35.3	25.1	0-321	26.4	13.1	0-76
Clinical teaching	10.2	7.0	0-99	10.4	7.6	0-40	11.6	5.9	0-99	8.2	2.8	4-25
Advisement & counseling	8.1	7.4	0-58	8.0	6.8	0-40	9.7	7.0	0-58	5.8	4.3	0-45

Number of Basic Students per Week—Percentiles (Table F-31)

- Table F-31 shows the 25th, 50th, and 75th percentile for number of students seen per week by a typical full-time faculty member.

- Diploma programs report the smallest number of students in classroom teaching, with a typical faculty member having between 18 and 35 students per week. Generic baccalaureate programs reported the largest number, with 24 students per week in the classroom at the 25th percentile and 45 students per week at the 75th percentile.

- The number of students encountered per week in clinical teaching is similar across all program types.

- For advisement and counseling, the smallest number of students is found in diploma schools, where the median (50th percentile) is six students per week. Associate degree program faculty have the highest number of students for advisement, with a median of ten students.

Table F-31

FACULTY WORKLOAD—NUMBER OF BASIC STUDENTS PER WEEK FOR A TYPICAL FULL-TIME FACULTY MEMBER: PERCENTILES, BY PROGRAM TYPE

FACULTY ACTIVITY	ALL PROGRAMS			BACCALAUREATE PROGRAMS (Generic Students)			ASSOCIATE DEGREE PROGRAMS			DIPLOMA PROGRAMS		
	Percentile			Percentile			Percentile			Percentile		
	25th	50th	75th	25th	50th	75th	25th	50th	75th	25th	50th	75th
Number of students in classroom	22	29	42	24	30	45	21	30	44	18	25	35
Number of students in clinical	8	9	11	8	9	12	9	10	12	7	8	9
Number of students for advisement	4	8	11	4	7	12	5	10	12	3	6	8

Comparison of Number of Students per Week for Undergraduate and Graduate Teaching (Table F-32)

- Table F-32 presents the mean, standard deviation, and range for the number of students seen per week by faculty in baccalaureate and higher degree programs. The categories of faculty used for this analysis were those teaching basic students only, RN students only, both basic and RN students, graduate students only, and both undergraduate and graduate students. Baccalaureate and higher degree programs that admit generic students are differentiated from those that admit only registered nurses.

- In those programs that admit generic (basic) students, faculty teaching only at the graduate level tended to have significantly fewer students per week in the classroom (19.2 students) than those teaching generic students at the undergraduate level only (37.8 students) or than those teaching at both levels (63.6 students). In programs admitting RNs only, however, faculty teaching at the graduate level only have the greatest number of students (31.4 per week).

- Those faculty in generic programs doing clinical teaching at the graduate level only reported a mean of 6.6 students per week, as opposed to 10.4 students for faculty teaching only at the undergraduate level. Those teaching at both levels had 10.6 students per week.

- The mean number of students reported for advisement was 7.8 for faculty teaching graduate students and 8.0 for faculty teaching undergraduate students. For faculty teaching at both levels, the mean was 11.8 students.

- In general, faculty teaching at both graduate and undergraduate levels have contact with the greatest number of students per week. This may reflect the fact that this type of assignment may be more typical in larger programs.

- In programs that admit RN students only, the number of students in the classroom and clinical teaching is lower than in other baccalaureate programs, while the number of students seen for advisement is generally higher. In contrast, the number of students in graduate teaching tends to be higher than in graduate programs that are associated with generic baccalaureate programs.

Table F-32

FACULTY WORKLOAD—COMPARISON OF NUMBER OF STUDENTS PER WEEK IN BACCALAUREATE AND HIGHER DEGREE PROGRAMS, BY LEVEL OF TEACHING: MEAN, STANDARD DEVIATION, AND RANGE

Level of Teaching	Classroom Teaching			Clinical Teaching			Advisement		
	Mean	s.d.	Range	Mean	s.d.	Range	Mean	s.d.	Range
BACCALAUREATE AND HIGHER DEGREE PROGRAMS WITH GENERIC STUDENTS									
Generic students only	37.8	26.1	1-195	10.4	7.6	0-40	8.0	6.8	0-40
RN students only	33.3	12.6	4-160	10.9	5.3	0-30	8.7	4.9	0-60
Both generic and RN students	23.6	10.1	1-150	10.0	4.1	0-40	9.4	5.4	0-101
Graduate students only	19.2	8.2	4-60	6.6	3.6	0-20	7.8	5.1	0-35
Both undergraduate and graduate students	63.6	20.8	6-195	10.6	3.5	0-38	11.8	4.7	0-70
BACCALAUREATE AND HIGHER DEGREE PROGRAMS ADMITTING RN STUDENTS ONLY									
Undergraduate students only	21.8	9.1	6-70	8.5	3.4	0-16	11.4	4.1	0-25
Graduate students only	31.4	7.3	17-50	10.8	2.7	0-20	9.0	1.7	0-15
Both undergraduate and graduate students	18.0	3.1	14-25	8.0	1.6	0-15	8.7	1.6	0-15

Comparison of Number of Students per Week—Percentiles (Table F-33)

- Table 33 shows the 25th, 50th, and 75th percentiles for the typical number of students per week in a faculty teaching load for baccalaureate and higher degree programs. Faculty is divided into those teaching only at the undergraduate level, those teaching RN students only, those teaching both RNs and basic students, those teaching only at the graduate level, and those teaching at both graduate and undergraduate levels. Baccalaureate and higher degree programs that admit only registered nurses are also differentiated from generic programs.

- In generic programs, the number of students per week in classroom teaching were highest for faculty teaching at both graduate and undergraduate levels. The 50th percentiles (medians) were 45 students for both levels, 30 students for the undergraduate generic level only, and 15 for the graduate level only. In contrast, for faculty in programs admitting RNs only, the median number of students was highest for those teaching at the graduate level only (20) and lowest for those teaching both graduate and undergraduate students (15).

- The number of students in the clinical area was also lowest for faculty in generic programs teaching only at the graduate level. The median number of students (50th percentile) was 6 students for the graduate level, 9 students for the undergraduate, and 9 students for those teaching at both levels. In programs for RNs only, teachers of both graduates and undergraduates had slightly fewer students.

- The number of students seen for advisement each week was generally similar at all levels for both types of programs.

Table F-33

FACULTY WORKLOAD—COMPARISON OF NUMBER OF STUDENTS PER WEEK IN BACCALAUREATE AND HIGHER DEGREE PROGRAMS, BY LEVEL OF TEACHING: PERCENTILES

Level of Teaching	Classroom Teaching			Clinical Teaching			Advisement		
	25th	50th	75th	25th	50th	75th	25th	50th	75th
BACCALAUREATE AND HIGHER DEGREE PROGRAMS WITH GENERIC STUDENTS									
Generic students only	24	30	45	8	9	12	4	7	12
RN students only	16	30	45	6	9	10	3	6	10
Both generic and RN students	10	18	30	5	10	10	3	7	12
Graduate students only	10	15	24	4	6	10	4	6	10
Both undergraduate and graduate students	30	45	80	6	9	14	5	10	13
BACCALAUREATE AND HIGHER DEGREE PROGRAMS ADMITTING RN STUDENTS ONLY									
RN students only	15	17	30	6	8	10	5	7	10
Graduate students only	17	20	40	5	8	16	4	8	15
Both undergraduate and graduate students	14	15	25	3	6	15	3	8	15

Joint Appointments with Clinical Agencies (Table F-34)

- Each associate degree and baccalaureate and higher degree program was asked to identify how many faculty members were on a joint appointment with a clinical agency.

- Ninety-five percent of the joint appointments were reported in generic baccalaureate and higher degree programs. Very few joint appointments were reported by associate degree programs.

- The 325 joint appointments reported in baccalaureate and higher degree programs is equivalent to about 15 percent of full-time baccalaureate and higher degree faculty.

- There was considerable variation in the percentage of time spent on academic rather than clinical activities. The largest group (mode), consisting of 25 percent of all joint appointments, spent only 10 percent of its time in academic activities.

- The majority of all joint appointments spend 40 percent or less of their time in academic activities.

Table F-34
FACULTY JOINT APPOINTMENTS WITH CLINICAL AGENCIES

PERCENT OF TIME SPENT IN ACADEMIC ACTIVITIES	TOTAL		BACCALAUREATE AND HIGHER DEGREE PROGRAMS						ASSOCIATE DEGREE PROGRAMS	
			Total		With Generic Students		RN Students Only			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total	342	100.0	325	100.0	259	100.0	66	100.0	17	100.0
90%	18	5.3	17	5.2	13	5.0	4	6.1	1	5.9
80%	49	14.3	49	15.1	47	18.1	2	3.0	0	0.0
70%	18	5.3	18	5.5	18	6.9	0	0.0	0	0.0
60%	9	2.6	9	2.8	8	3.1	1	1.5	0	0.0
50%	56	16.4	51	15.1	44	17.0	7	10.6	5	29.4
40%	16	4.7	13	4.0	13	3.1	0	0.0	3	17.6
30%	26	1.8	26	8.0	26	0.9	0	0.0	0	0.0
20%	65	19.0	62	19.1	54	20.8	8	12.1	3	17.6
10%	85	24.9	80	24.6	36	13.9	44	66.7	5	29.4

Computer Technology and Applications

COMPUTER TECHNOLOGY AND APPLICATIONS (Tables F-35 to F41)

- A considerable increase in faculty involvement in computer technology and applications was manifested in all areas surveyed when 1986 data is compared with that obtained in 1984. Apparently, there has been a substantial increase in interest in this area in nursing education.

Faculty Attendance at Programs on Computer Technology (Table F-35)

- Of the programs that responded to the questionnaire, 87.5 percent reported that at least some faculty members had attended a conference or seminar on computers during the 1985-86 academic year.
- Generic baccalaureate nursing programs had the highest percentage of faculty participating in continuing education in this area in 1985-86, with only 7.6 percent reporting that no faculty members attended conferences in continuing education during that period (and 0.7 percent not responding).
- Eighty-seven percent of reporting associate degree programs had faculty attending conferences on computer technology during 1985-86.

Table F-35
PERCENT OF PROGRAMS REPORTING FACULTY ATTENDANCE AT PROGRAMS ON COMPUTER TECHNOLOGY DURING 1985-86

FACULTY ATTENDING COMPUTER PROGRAMS	NUMBER OF PROGRAMS RESPONDING	PERCENT OF PROGRAMS RESPONDING				
		All Programs	Baccalaureate and Higher Degree		Associate Degree	Diploma
			With Generic Students	Without Generic Students		
Most faculty	391	27.5	26.2	22.9	27.8	31.7
Some faculty	306	21.5	28.2	23.8	20.0	12.8
A few faculty	547	38.5	37.5	39.0	39.1	38.1
None	154	10.8	7.6	10.5	11.9	13.8
No response	23	1.6	0.7	3.8	1.2	3.7
Total	1,421	100.0	100.0	100.0	100.0	100.0

Faculty Integrating Computer Applications into Nursing Courses (Table F-36)

- More than 37 percent of all programs reported that no faculty integrate computer applications into their nursing courses.

- Of the generic baccalaureate programs, 77 percent reported that they had at least a few faculty members integrating computer applications in their nursing courses. Only 10 percent of all nursing programs reported that most faculty integrate computer applications into their nursing courses.

Table F-36

PERCENT OF PROGRAMS WITH FACULTY INTEGRATING COMPUTER APPLICATIONS INTO NURSING COURSES

FACULTY INTEGRATING COMPUTER APPLICATIONS	NUMBER OF PROGRAMS RESPONDING	PERCENT OF PROGRAMS RESPONDING				
		All Programs	Baccalaureate and Higher Degree		Associate Degree	Diploma
			With Generic Students	Without Generic Students		
Most faculty	141	9.9	7.1	12.5	11.3	9.6
Some faculty	209	14.7	19.6	19.2	12.9	9.2
A few faculty	512	36.0	50.2	39.4	32.1	20.2
None	529	37.2	21.3	25.0	42.5	56.0
No response	30	2.1	1.7	3.8	1.2	5.0
Total	1,421	100.0	100.0	100.0	100.0	100.0

Employment of Faculty to Teach Computer Technology (Table F-37)

- Sixteen percent of all nursing education programs employed at least one nurse faculty member to teach computer technology/applications.
- Twenty-eight percent of generic baccalaureate programs employed at least one nurse faculty member to teach computer technology/applications.
- Only 11 percent of all programs reported employing at least one non-nurse faculty member to teach computer technology.

Table F-37

PERCENT OF NURSING PROGRAMS EMPLOYING FACULTY TO TEACH COMPUTER TECHNOLOGY/APPLICATIONS

FACULTY TEACHING COMPUTER APPLICATIONS	NUMBER OF PROGRAMS RESPONDING	PERCENT OF PROGRAMS RESPONDING				
		All Programs	Baccalaureate and Higher Degree		Associate Degree	Diploma
			With Generic Students	Without Generic Students		
Nurse Faculty						
Three or more faculty	42	2.9	4.2	2.9	1.6	3.2
Two faculty members	49	3.4	7.8	2.9	1.6	1.4
One faculty member	137	9.6	16.2	17.1	5.9	5.5
None reported	1,198	84.0	71.8	77.1	90.9	89.9
Total	1,426	100.0	100.0	100.0	100.0	100.0
Non-Nurse Faculty						
Three or more faculty	60	4.2	3.3	5.9	5.5	1.0
Two faculty members	41	2.9	4.4	5.7	2.2	0.9
One faculty member	55	3.9	4.7	5.7	3.5	2.8
None reported	1,266	89.0	87.5	82.9	88.9	95.4
Total	1,422	100.0	100.0	100.0	100.0	100.0

Availability of Courses in Computer Technology (Table F-38)

- More than 13 percent of all types of nursing education programs require courses in computer technology, according to the responses to this questionnaire.
- Among generic baccalaureate programs, 18.6 percent require students to take courses in computer technology. For graduate programs, 31.3 percent require courses in computer technology.
- A course in computer technology was not available to students in 28.8 percent of reporting associate degree programs, 73.9 percent of diploma programs, and 19.6 percent of generic baccalaureate programs.

Table F-38
COMPUTER COURSES AS PART OF NURSING PROGRAMS

COMPUTER COURSES	NUMBER OF PROGRAMS RESPONDING	PERCENTAGE OF PROGRAMS RESPONDING					
		All Programs	Baccalaureate & Higher Degree			Associate Degree	Diploma
			With Generic Students	With RN Students Only	Graduate Programs[1]		
Required course in program	187	13.2	18.6	22.9	31.3	11.0	5.0
Optional course(s) available	650	45.7	52.0	55.2	17.4	52.4	8.3
Courses not available	452	31.8	19.6	11.4	39.1	28.8	73.9
No response	133	9.4	9.8	10.5	12.2	7.8	12.8
Total	1,422	100.0	100.0	100.0	100.0	100.0	100.0

[1] Percentages based on number of graduate programs responding (N = 133)

Applications of Computer Technology (Table F-39)

- Each program was asked to indicate what types of computer applications were available in their program. A summary of the responses appears in Table F-39.
- The computer application most frequently offered was computer-assisted instruction, with 39.9 percent of all programs reporting its availability.
- Computer simulations of clinical applications were reported available by 31.2 percent of the programs. The greatest availability of clinical applications was reported by baccalaureate and higher degree programs with RN students only(37.1%), and the lowest by diploma programs (15%).
- Computerized testing was reported to be available by 17.6 percent of generic baccalaureate programs, but by only 6 percent of diploma programs.
- Statistical analysis for research was reported as available by 48.6 percent of generic baccalaureate programs and by 63 percent of BRN programs. Only 17 percent of diploma programs and 20 percent of associate degree programs reported the availability of computer research applications.
- Overall, nearly 34 percent of programs reported the availability of data base management for decision making in administration; responses ranged from 22.5 percent of diploma programs to 44.1 percent of generic baccalaureate programs.

Table F-39
TYPE OF COMPUTER APPLICATIONS AVAILABLE, BY TYPE OF NURSING PROGRAM

TYPE OF APPLICATION	NUMBER OF PROGRAMS RESPONDING	PERCENTAGE OF PROGRAMS RESPONDING				
		All Programs	Baccalaureate & Higher Degree		Associate Degree	Diploma
			With Generic Students	With RN Students Only		
Computerized nursing care plans in clinical area	205	14.3	20.6	16.2	10.7	13.8
Computer simulations of clinical applications	446	31.2	35.8	37.1	33.0	15.1
Computerized-assisted instruction	571	39.9	50.0	46.7	38.9	22.5
Computerized grading and test analysis	692	48.4	64.2	47.6	48.8	19.7
Students taking tests on computer terminals	171	12.0	17.6	11.4	10.7	6.0
Statistical analysis for research	508	35.5	48.6	62.9	20.1	17.0
Data-base management for administration	485	33.9	44.1	42.9	30.5	22.5

Preparation of Graduates to Apply Computer Technology in Practice (Table F-40)

- Only 14.1 percent of nursing education programs reported that most recent graduates were prepared to apply computer applications in nursing practice.
- More than one-third of all nursing programs (38.5%) reported that none of their recent graduates was prepared to apply computer technology in nursing practice. Broken down by program type, 43 percent of associate degree programs, 59 percent of diploma programs, 25 percent of generic baccalaureate, and 17 percent of BRN programs reported that no graduates are prepared to apply computers in their nursing practice.

Table F-40

PROGRAMS REPORTING RECENT GRADUATES PREPARED TO APPLY COMPUTER TECHNOLOGY IN NURSING PRACTICE

GRADUATES PREPARED TO APPLY TECHNOLOGY	NUMBER OF PROGRAMS RESPONDING	PERCENTAGE OF PROGRAMS RESPONDING					
		All Programs	Baccalaureate & Higher Degree			Associate Degree	Diploma
			Baccalaureate Programs	Baccalaureate for RNs Only	Graduate Programs[1]		
Most students	201	14.1	12.5	12.4	27.1	13.3	20.6
Some students	212	14.8	23.0	19.0	30.1	11.6	7.3
A few students	403	28.2	34.1	35.2	29.3	29.7	9.2
None	550	38.5	24.8	17.1	13.5	43.4	59.2
No response	64	4.5	5.6	16.2	0.0	2.0	3.7
Total	1.430	100.0	100.0	100.0	100.0	100.0	100.0

[1] Percentages based on number of graduate programs responding (N=133)

Preparation of Students to Apply Computer Technology in Practice (Table F-41)

- Twenty-five percent of all nursing education programs reported that most of their current students will be prepared, upon graduation, to use computer technology in their nursing practice. This is double the percentage reported in the 1984 survey.

- Over twenty-eight percent of all nursing education programs reported that none of their current students will be prepared to use computer technology in their nursing practice. Thirty-three percent of associate degree programs and 44.5 percent of diploma programs reported that none of their present students will be so prepared.

Table F-41

PROGRAMS REPORTING CURRENT NURSING STUDENTS WILL BE PREPARED TO USE COMPUTER TECHNOLOGY IN NURSING PRACTICE AFTER GRADUATION

STUDENTS PREPARED TO APPLY TECHNOLOGY	NUMBER OF PROGRAMS RESPONDING	PERCENTAGE OF PROGRAMS RESPONDING					
		All Programs	Baccalaureate & Higher Degree			Associate Degree	Diploma
			Baccalaureate Programs	Baccalaureate for RNs Only	Graduate Programs[1]		
Most students	356	25.1	31.4	22.9	39.4	20.8	27.5
Some students	245	17.2	23.5	25.7	27.7	15.1	8.3
A few students	377	26.3	26.2	31.4	24.1	29.5	15.1
None	403	28.4	16.4	10.5	8.8	33.0	44.5
No response	40	2.8	2.5	9.5	0.0	1.5	4.6
Total	1,421	100.0	100.0	100.0	100.0	100.0	100.0

[1] Percentages based on number of graduate programs responding (N = 137)

Salaries in Nursing Education

SALARIES IN NURSING EDUCATION (Tables F-42 to F-55)

- This section presents information about the annual salaries of administrators and full-time faculty in nursing education programs. Salaries are presented according to highest earned credential, NLN region, and type of nursing program. A comparative analysis of nursing salaries by type of institution, according to categories used for salary analysis by the American Association of University Professors (AAUP), is also included.

- *Data Collection.* Each program was asked to provide the following information for the 1985-86 academic year: (a) total number of full-time faculty, (b) number of full-time faculty per academic year and calendar year, (c) range of salaries from highest to lowest, and (d) mean (arithmetic) salary by faculty rank and highest credential.

- Because of the nomenclature used in diploma programs, different categories for rank and highest credential were used. These variations are presented in each table where data from diploma program faculty are listed.

- *Academic Year versus Calendar Year.* Patterns of faculty appointment vary greatly among schools. Academic year appointments are usually made for 9 to 10 months. Appointments for a calendar year are usually for 11 months (with one month vacation per year). Some calendar year appointments do not require faculty to teach in the summer, enabling them to do research and clinical practice. Similarly, many academic year appointments carry the expectation that faculty will do scholarly research and/or clinical practice in the summer.

- Some salary tables report annual salaries. Others present separate data for calendar year and academic year salaries. In the tables where nursing salaries are compared with AAUP data, calendar year salaries are adjusted to the academic year by multiplying by 9/11 in a procedure similar to that used by AAUP.

- The percentage of chief administrators and full-time faculty on *academic year* appointment is as follows:

Position	Baccalaureate and Higher Degree Programs	Associate Degree Programs
Chief administrator	27.5%	39.7%
Associate/assistant administrator	38.2%	60.0%
Professor	72.8%	89.3%
Associate professor	83.7%	83.8%
Assistant professor	83.5%	89.0%
Instructor	89.9%	85.9%
Other rank	73.3%	83.7%

For diploma programs, the percentages are as follows:

Position	Percentage
Chief administrator	13.4%
Assistant/associate director	14.8%
Coordinator/department head	35.4%
Instructor	29.5%
Assistant instructor	14.8%
Other rank	16.2%

Administrators' Salaries by Program Type (Table F-42)

- The mean salaries of the chief administrators and associate or assistant administrators of nursing education programs are presented in Table F-42, by program type and highest earned credential. Mean salaries are presented separately for administrators with academic year and calendar year appointments.

- Analysis of the mean salary for administrators by program type showed that those in generic baccalaureate programs with a calendar year appointment had the highest mean salary ($50,065 per year for chief administrators and $40,864 for associate or assistant administrators).

- Chief administrators of BRN programs had a mean salary of $33,951 for the academic year. Associate degree programs had the lowest mean salary for administrators ($32,781) for an academic year appointment. Mean salaries for associate or assistant administrators were about $4,000 lower.

- Administrators with doctoral degrees earned considerably more than those with master's degrees. In generic baccalaureate programs, the doctorate made a difference of at least $12,000 per year on the average for chief administrators and $10,000 per year for associate or assistant administrators.

- In associate degree and in BRN programs there was a difference of at least $4,000 in mean salary between chief administrators prepared at the doctoral level and those prepared at the master's level. The difference was even greater for associate or assistant administrators—nearly $8,000 for BRN and $10,000 for associate degree programs.

- The mean salary for diploma program chief administrators with a master's degree was about $5,000 higher than for master's prepared administrators in other types of nursing programs.

Table F-42

SALARY OF ADMINISTRATORS, BY PROGRAM TYPE: MEAN SALARY BY ACADEMIC AND CALENDAR YEAR APPOINTMENT

RANK AND HIGHEST CREDENTIAL	BACCALAUREATE AND HIGHER DEGREE PROGRAMS				ASSOCIATE DEGREE PROGRAMS		DIPLOMA PROGRAMS	
	Generic Students		RN Students Only					
	Academic Year	Calendar Year	Academic Year	Calendar Year	Academic Year	Calendar Year	Academic Year	Calendar Year
CHIEF ADMINISTRATOR								
All administrators	$34,158	$50,065	$33,951	$41,786	$32,781	$36,391	39,656	$40,823
Doctorate	38,225	52,114	36,078	44,797	36,514	39,971	*	43,287
Master's (nursing)	26,638	36,920	31,078	34,360	32,114	35,288	40,790	40,604
Other credential	23,600	*	*	—	30,969	32,621	34,650	40,194
ASSOCIATE/ASSISTANT ADMINISTRATOR								
All associate/assistant administrators	$30,890	$40,864	$30,109	$40,046	$28,474	$32,986	$32,950	$31,798
Doctorate	34,156	44,437	33,617	*	27,540	41,889	*	34,467
Master's (nursing)	27,839	36,876	25,900	32,950	27,618	31,467	32,960	33,042
Master's (non-nursing)	29,233	36,247	—	36,167	32,167	34,164	33,400	33,052
Other credential	—	—	—	—	*	*	*	15,750

*Too few data to warrant publication

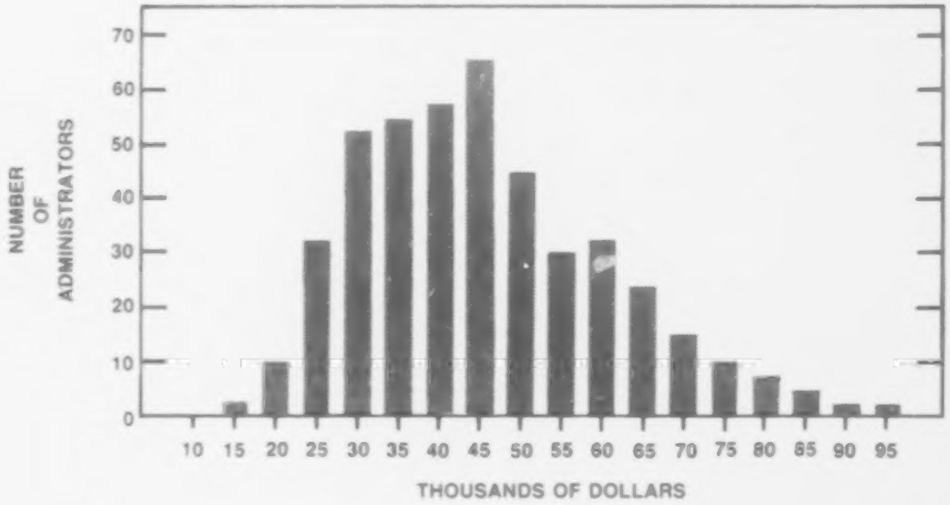
SALARIES OF ADMINISTRATORS (Figures F-10 to F-12)

- Figures F-10 to F-12 present the distributions of the salaries of the administrators of nursing programs in graph form. Salaries are listed in $5,000 increments along the bottom of the graph.

Salaries of Administrators of Baccalaureate and Higher Degree Programs (Figure F-10)

- Figure F-10 shows the distribution of salaries of the chief administrators of baccalaureate and higher degree programs. These salaries range from as low as $16,000 to $95,000.
- The majority of salaries fall between $30,000 and $50,000, and the mode (the interval with the highest frequency of responses) is $45,000.

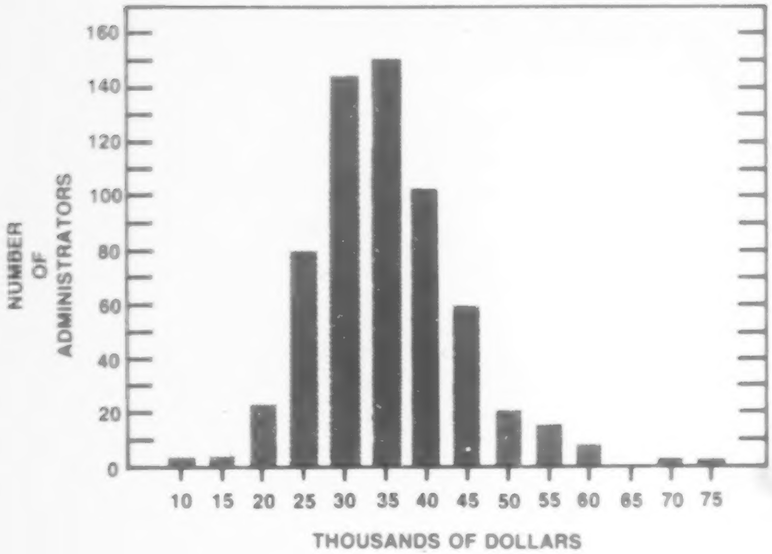
Figure F-10
SALARY OF CHIEF ADMINISTRATORS OF BACCALAUREATE AND HIGHER DEGREE PROGRAMS



Salaries of Administrators of Associate Degree Programs (Figure F-11)

- Figure F-11 shows the distribution of salaries of the chief administrators of associate degree programs.
- The majority of salaries fall between $25,000 and $40,000, with the mode (the interval with the highest frequency) at $35,000.

Figure F-11
SALARY OF CHIEF ADMINISTRATORS OF ASSOCIATE DEGREE PROGRAMS

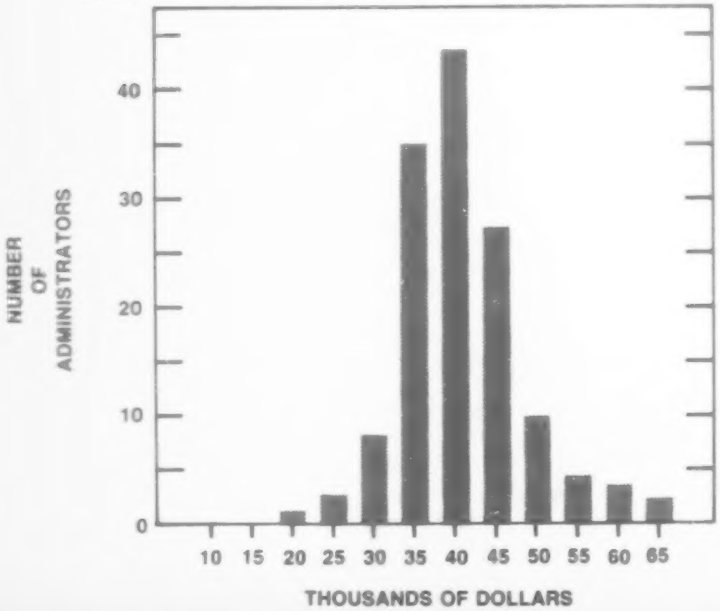


Salaries of Administrators of Diploma Programs (Figure F-12)

- Figure F-12 shows the distribution of salaries of the chief administrators of diploma programs.

- The majority of salaries are in the intervals from $35,000 to $45,000, with the mode (the interval with the highest frequency) at $40,000.

Figure F-12
SALARY OF CHIEF ADMINISTRATORS OF DIPLOMA PROGRAMS



Salaries of Full-Time Faculty and Administrators by Program Type (Table F-43)

- Table F-43 shows the mean salary for faculty and administrators in each type of nursing program, by type of appointment and highest earned credential. A separate set of categories is used to list rank and highest credential in diploma programs in order to provide information more relevant to diploma education. In addition, there are separate listings for mean salaries of faculty in baccalaureate and higher degree programs that have generic students and those that accept only registered nurses (BRN programs).

- In general, the higher the academic credential, the higher the salary. The smallest difference between faculty with doctorates and faculty with master's degrees was less than $1,000 for assistant professors in BRN programs.

- The highest mean salaries were reported in generic baccalaureate programs for chief administrators with doctoral preparation who were on calendar year appointments.

- Instructors with master's degrees in diploma programs had significantly higher mean salaries than master's prepared instructors in baccalaureate and associate degree programs.

Table F-43

MEAN SALARIES OF FULL-TIME FACULTY AND ADMINISTRATORS, BY TYPE OF APPOINTMENT AND PROGRAM

RANK AND HIGHEST CREDENTIAL	BACCALAUREATE AND HIGHER DEGREE PROGRAMS				ASSOCIATE DEGREE PROGRAMS	
	With Generic Students		With RN Students Only			
	Academic Year	Calendar Year	Academic Year	Calendar Year	Academic Year	Calendar Year
CHIEF ADMINISTRATIVE OFFICER						
Doctorate	$38 225	$52 022	$36 079	$44 797	$36 514	$39 314
Master's (nursing)	26 638	36 200	31 078	34 360	32 114	35 288
Other credential	—	*	—	—	31 445	34 546
ASSOCIATE/ASSISTANT ADMINISTRATOR						
Doctorate	34 156	44 437	33 617	53 640	27 540	41 189
Master's (nursing)	27 838	36 876	25 900	32 950	27 618	31 467
Other credential	29 233	36 247	—	36 167	30 709	34 164
PROFESSOR						
Doctorate	37 870	45 474	36 006	38 838	37 154	33 500
Master's (nursing)	34 665	38 364	33 120	43 500	32 366	24 100
Other credential	*	*	*	—	30 457	*
ASSOCIATE PROFESSOR						
Doctorate	31 435	36 128	30 717	31 650	31 513	26 780
Master's (nursing)	28 158	34 284	27 407	27 662	28 268	29 035
Other credential	27 313	*	*	*	27 398	26 475
ASSISTANT PROFESSOR						
Doctorate	27 039	32 508	25 186	29 080	26 678	30 150
Master's (nursing)	23 980	29 441	24 283	26 983	24 533	25 379
Other credential	23 193	27 750	22 367	—	24 105	27 467
INSTRUCTOR						
Doctorate	23 768	27 550	22 500	*	28 087	29 360
Master's (nursing)	20 749	25 966	20 736	24 220	23 821	24 759
Other credential	24 191	24 667	22 981	23 184	24 807	29 360
OTHER RANK						
Doctorate	24 967	31 225	*	*	*	—
Master's (nursing)	22 482	28 450	27 633	*	20 513	*
Other credential	24 533	—	—	—	21 807	—

DIPLOMA PROGRAMS		
Academic Year	Calendar Year	RANK AND HIGHEST CREDENTIAL
CHIEF ADMINISTRATIVE OFFICER		
*	$43 287	Doctorate
40 790	40 085	Master's (nursing)
34 900	40 194	Other credential
ASSOCIATE/ASSISTANT ADMINISTRATOR		
*	34 467	Doctorate
32 960	33 042	Master's (nursing)
33 400	34 172	Other credental
COORDINATOR/DEPARTMENT HEAD		
26 640	33 290	Doctorate
29 463	30 511	Master's (nursing)
27 915	29 985	Master's (non-nursing)
22 578	25 847	Baccalaureate (nursing)
21 017	*	Other credential
INSTRUCTOR		
*	28 886	Doctorate
25 965	27 844	Master's (nursing)
36 624	34 652	Master's (non-nursing)
23 180	23 164	Baccalaureate (nursing)
22 948	23 104	Other credential
ASSISTANT INSTRUCTOR		
—	*	Doctorate
*	27 600	Master's (nursing)
*	27 343	Master's (non-nursing)
22 833	25 529	Baccalaureate (nursing)
*	24 625	Other credential
OTHER RANK		
—	—	Doctorate
—	26 100	Master's (nursing)
27 400	24 260	Master's (non nursing)
*	*	Baccalaureate (nursing)
*	*	Other credential

* Too few data to warrant publication

Range of Salaries of Faculty and Administrators by Program Type (Table F-44)

- Table F-44 shows the range of annual salaries for full-time faculty and administrators of nursing education programs according to their highest credential. As in Table F-43, a separate set of categories is used for listing rank and highest credential in diploma education. The ranges presented represent the program means for each position and rank rather than individual salaries. The ranges would be expected to be greater if individual salaries were reported.

- The range of salaries was greatest for doctorally prepared administrators of baccalaureate and higher degree programs that admit RN students only (BRN programs)—from $22,500 to $94,500, a range of $72,000. This distribution is skewed to the lower end, with most individuals earning less than $45,000. The total range of salaries for chief administrators with doctorates in all baccalaureate and higher degree programs is $73,800.

- Salary ranges for administrators and professors with earned doctorates tended to be much larger than those for other categories. For example, the mean salaries of professors with doctoral degrees who teach in generic baccalaureate and higher degree programs ranged from $23,000 to $66,400.

- There is considerable overlap in salaries among the various positions and credentials. This overlap reflects the many other factors that influence salary, such as institutional type and region (see Tables F-45 - F-52).

Table F-44
RANGE OF MEAN SALARIES OF FULL-TIME FACULTY AND ADMINISTRATORS, BY PROGRAM TYPE

RANK AND HIGHEST CREDENTIAL	BACCALAUREATE AND HIGHER DEGREE PROGRAMS				ASSOCIATE DEGREE PROGRAMS	
	With Generic Students		With RN Students Only			
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
CHIEF ADMINISTRATIVE OFFICER						
Doctorate	$92 000	$20 700	$94 500	$22 500	$69 400	$21 800
Master's (nursing)	70 000	16 000	45 500	23 000	75 000	11 900
Other credential	30 000	14 200	*	*	25 100	11 600
ASSOCIATE/ASSISTANT ADMINISTRATOR						
Doctorate	$61 300	$21 900	$63 400	$28 800	$52 600	$22 000
Master's (nursing)	68 100	17 600	37 800	22 200	54 000	11 300
Other credential	52 300	12 100	*	*	47 000	11 400
PROFESSOR						
Doctorate	$66 400	$23 000	$62 500	$24 400	$55 200	$23 500
Master's (nursing)	63 000	21 200	51 800	28 800	55 200	18 700
Other credential	43 900	14 200	—	—	43 900	15 600
ASSOCIATE PROFESSOR						
Doctorate	$52 700	$18 300	$41 000	$22 000	$45 900	$12 700
Master's (nursing)	53 100	14 900	53 100	14 900	42 800	15 800
Other credential	*	*	*	*	32 000	17 000
ASSISTANT PROFESSOR						
Doctorate	$41 300	$15 600	$37 500	$18 000	$40 500	$18 000
Master's (nursing)	53 100	13 700	33 900	19 000	43 000	14 000
Other credential	33 900	18 000	26 200	16 000	39 300	12 700
INSTRUCTOR						
Doctorate	$32 200	$16 000	—	—	$42 000	$13 000
Master's (nursing)	36 300	11 000	29 700	18 200	41 000	11 300
Other credential	32 000	10 400	30 900	14 600	40 200	10 000
OTHER RANK						
Doctorate	$42 800	$18 000	*	*	*	*
Master's (nursing)	32 400	10 600	*	*	27 600	15 500
Other credential	43 000	10 000	—	—	34 000	13 000

DIPLOMA PROGRAMS		
Maximum	Minimum	RANK AND HIGHEST CREDENTIAL
CHIEF ADMINISTRATIVE OFFICER		
$60 000	$32 300	Doctorate
65 000	25 000	Master's (nursing)
50 400	11 900	Other credential
ASSISTANT/ASSOCIATE DIRECTOR		
$42 000	$32 500	Doctorate
43 800	24 000	Master's (nursing)
55 000	22 300	Other credental
COORDINATOR/DEPARTMENT HEAD		
$39 500	$24 500	Doctorate
48 400	21 000	Master's (nursing)
45 700	21 200	Master's (non-nursing)
31 000	19 700	Other credential
INSTRUCTOR		
$36 000	$25 000	Doctorate
36 800	18 900	Master's (nursing)
47 900	17 600	Master's (non-nursing)
37 000	13 000	Other credential
ASSISTANT INSTRUCTOR		
$32 500	$24 000	Master's (nursing)
33 300	22 500	Master's (non-nursing)
30 700	12 200	Other credential
OTHER RANK		
$42 800	$15 900	Graduate degree
39 100	17 400	Baccalaureate (nursing)
31 300	12 000	Other credential

* Too few data to warrant publication

Salaries of Administrators and Faculty in Baccalaureate and Higher Degree Programs by NLN Region (Tables F-45 and F-46)

- Comparisons of salaries of administrators and faculty in baccalaureate and higher degree programs are presented in Tables F-45 and F-46. The breakdown includes the mean and standard deviation by faculty member's highest academic credential and the NLN region of the program.

- There is no consistent overall pattern of salary differences by NLN region for either administrators or faculty members in baccalaureate and higher degree programs.

- Mean salaries of chief administrators are highest in the North Atlantic region and lowest in the Southern region.

- Very few baccalaureate and higher degree programs that admit registered nurses only reported a salary for an assistant administrator—too few, in fact, to warrant reporting. This probably reflects the smaller size of these programs in terms of number of faculty members.

- There was little regional difference in mean salaries for assistant professors with either a doctorate or master's degree as their highest earned credential.

- Although mean salaries for calendar year appointments were consistently higher than academic year salaries, in many categories the calendar year salaries were actually lower when adjusted by 9/11 for comparison. For example, for associate professors with doctorates in the Western region, the mean for calendar year salaries was only about $1,200 higher than the mean for academic year salaries, and when adjusted by 9/11 is considerably lower.

- The standard deviation is generally much greater for calendar year salaries than academic year salaries. This probably reflects the much higher salaries that are often seen in health science centers, which use calendar year appointments, as compared with salaries in other types of institutions.

Table F-45

MEAN SALARIES OF ADMINISTRATORS IN BACCALAUREATE AND HIGHER DEGREE PROGRAMS, BY NLN REGION

RANK AND HIGHEST CREDENTIAL BY TYPE OF APPOINTMENT	NORTH ATLANTIC			MIDWESTERN			SOUTHERN			WESTERN		
	Number	Mean Salary	Standard Deviation	Number	Mean Salary	Standard Deviation	Number	Mean Salary	Standard Deviation	Number	Mean Salary	Standard Deviation
BACCALAUREATE AND HIGHER DEGREE PROGRAMS WITH GENERIC STUDENTS												
CHIEF ADMINISTRATIVE OFFICER												
Doctorate												
Academic year	42	$40,767	$10,927	18	$37,950	$ 8,612	15	$34,162	$ 8,534	9	$38,711	$11,602
Calendar year	51	51,504	11,255	65	51,895	15,022	110	52,790	13,876	30	50,787	13,784
Master's (nursing)												
Academic year	9	27,500	4,918	12	26,618	6,747	*	*	*	*	*	*
Calendar year	6	39,716	15,974	13	32,900	9,174	13	34,738	14,430	*	*	*
Other credential												
Academic year	—	—	—	—	—	—	—	—	—	—	—	—
Calendar year	—	—	—	—	—	—	—	—	—	*	*	*
ASSOCIATE/ASSISTANT ADMINISTRATOR												
Doctorate												
Academic year	19	33,945	7,362	22	35,267	6,370	17	31,170	3,313	7	37,260	3,326
Calendar year	32	43,617	7,341	42	44,954	5,802	71	45,272	6,311	21	41,920	9,680
Master's (nursing)												
Academic year	11	27,200	5,713	16	28,082	6,049	28	27,142	6,438	9	29,188	8,364
Calendar year	16	35,123	5,762	15	39,120	5,745	27	36,463	9,906	7	36,425	3,979
Other credential												
Academic year	*	*	*	*	*	*	*	*	*	*	*	*
Calendar year	*	*	*	*	*	*	—	—	—	—	—	—
BACCALAUREATE AND HIGHER DEGREE PROGRAMS WITH RN STUDENTS ONLY[†]												
CHIEF ADMINISTRATIVE OFFICER												
Doctorate												
Academic year	10	36,200	6,888	8	34,050	4,856	7	36,750	12,011	*	*	*
Calendar year	7	43,329	9,308	12	45,536	13,500	11	41,364	4,929	8	49,788	18,339
Master's (nursing)												
Academic year	*	*	*	6	33,000	5,310	—	—	—	*	*	*
Calendar year	*	*	*	6	34,583	4,055	6	35,650	8,680	*	*	*
Other credential												
Academic year	—	—	—	—	—	—	—	—	—	—	—	—
Calendar year	—	—	—	—	—	—	—	—	—	—	—	—

*Too few data to warrant publication

[†] Because of the small number of BRN programs with associate or assistant administrators, insufficient data was collected on the salaries of this group to warrant publication

Table F-46

MEAN SALARIES OF FACULTY IN BACCALAUREATE AND HIGHER DEGREE PROGRAMS, BY NLN REGION

RANK AND HIGHEST CREDENTIAL BY TYPE OF APPOINTMENT	NORTH ATLANTIC			MIDWESTERN			SOUTHERN			WESTERN		
	Number	Mean Salary	Standard Deviation	Number	Mean Salary	Standard Deviation	Number	Mean Salary	Standard Deviation	Number	Mean Salary	Standard Deviation
PROFESSOR												
Doctorate												
Academic year	89	$38,722	$ 9,838	69	$35,848	$ 7,088	67	$37,608	$ 5,302	41	$39,964	$ 5,725
Calendar year	9	44,750	9,522	15	45,150	11,313	54	46,370	9,625	31	43,867	9,233
Master's (nursing)												
Academic year	39	36,214	16,399	13	31,027	7,023	23	32,092	5,823	47	39,285	7,563
Calendar year	—	—	—	*	*	*	14	40,528	12,490	*	*	*
Other credential												
Academic year	—	—	—	*	*	*	*	*	*	*	*	*
Calendar year	—	—	—	*	*	*	*	*	*	*	*	*
ASSOCIATE PROFESSOR												
Doctorate												
Academic year	222	31,738	4,715	154	30,496	4,905	191	31,140	3,922	103	32,309	4,739
Calendar year	65	36,838	12,684	76	33,092	12,157	93	37,369	7,490	56	33,483	13,005
Master's (nursing)												
Academic year	204	29,343	5,149	287	26,499	4,609	256	27,935	4,849	102	30,084	5,345
Calendar year	14	37,414	7,348	22	33,270	4,552	109	32,692	11,656	32	35,560	6,398
Other credential												
Academic year	12	27,843	6,734	28	26,992	5,641	24	27,493	5,641	8	29,917	4,691
Calendar year	*	*	*	*	*	*	*	*	*	*	*	*
ASSISTANT PROFESSOR												
Doctorate												
Academic year	215	27,307	3,810	198	25,978	4,132	174	26,717	3,862	74	28,189	4,206
Calendar year	37	37,625	4,937	29	32,391	5,584	24	32,020	3,734	74	32,463	6,293
Master's (nursing)												
Academic year	594	24,839	4,124	709	23,275	3,382	788	23,913	3,232	270	24,727	3,978
Calendar year	49	32,342	5,367	58	27,044	4,407	276	29,203	7,535	30	29,857	3,379
Other credential												
Academic year	10	24,029	5,029	43	24,123	3,760	32	24,500	4,417	7	23,975	3,907
Calendar year	*	*	*	*	*	*	*	*	*	*	*	*
INSTRUCTOR												
Doctorate												
Academic year	53	21,108	6,014	25	22,000	1,913	19	25,433	3,825	22	27,157	5,177
Calendar year	*	*	*	*	*	*	15	27,752	9,147	*	*	*
Master's (nursing)												
Academic year	484	21,030	3,535	628	20,064	3,109	377	20,560	2,987	163	22,578	3,728
Calendar year	47	25,700	3,941	47	27,038	3,705	68	25,641	5,717	30	25,800	5,281
Other credential												
Academic year	11	21,457	5,773	88	19,507	3,366	70	18,639	3,585	9	21,400	5,021
Calendar year	*	*	*	*	*	*	*	*	*	*	*	*
OTHER RANK												
Doctorate												
Academic year	*	*	*	*	*	*	*	*	*	*	*	*
Calendar year	*	*	*	*	*	*	*	*	*	*	*	*
Master's (nursing)												
Academic year	58	23,845	4,085	78	23,471	4,085	27	23,733	4,793	18	22,550	2,130
Calendar year	*	*	*	*	*	*	*	*	*	*	*	*
Other credential												
Academic year	14	18,440	4,570	19	17,480	2,985	*	*	*	*	*	*
Calendar year	*	*	*	*	*	*	—	—	—	—	—	—

* Too few data to warrant publication

Salaries of Administrators and Faculty in Associate Degree Programs by NLN Region (Tables F-47 and F-48)

- A comparison by NLN region of the mean and standard deviation of salaries for administrators in associate degree programs is presented in Table F-47 and the data for faculty are in Table F-48.
- There is no consistent pattern of salary differences by NLN region for either administrators or faculty.
- The position of associate or assistant administrator was reported mostly in the Midwestern region.
- In general, there is no differences in mean salary for faculty in associate degree programs with master's degrees in nursing and those with other credentials.
- Salaries are similar for both assistant professors and instructors in associate degree programs who have a master's degree in nursing.

Table F-47
MEAN SALARIES OF ADMINISTRATORS IN ASSOCIATE DEGREE PROGRAMS, BY NLN REGION

RANK AND HIGHEST CREDENTIAL, BY TYPE OF APPOINTMENT	NORTH ATLANTIC			MIDWESTERN			SOUTHERN			WESTERN		
	Number	Mean Salary	Standard Deviation	Number	Mean Salary	Standard Deviation	Number	Mean Salary	Standard Deviation	Number	Mean Salary	Standard Deviation
CHIEF ADMINISTRATOR												
Doctorate												
Academic year	8	$36,213	$ 9,528	8	$39,288	$ 7,537	37	$34,063	$4,964	15	$37,540	$ 8,752
Calendar year	21	38,410	8,261	13	43,500	10,152	78	38,852	6,711	41	38,783	14,691
Master's (nursing)												
Academic year	43	33,107	7,729	45	30,552	6,573	51	29,564	5,760	31	36,703	10,006
Calendar year	31	34,110	6,446	45	34,955	5,219	109	35,073	6,958	25	37,948	9,652
Master's (non-nursing)												
Academic year	•	•	•	21	30,538	5,186	18	28,539	6,431	18	35,194	8,241
Calendar year	•	•	•	19	35,084	3,786	22	33,064	6,826	8	40,450	9,646
Other credential												
Academic year	•	•	•	•	•	•	•	•	•	•	•	•
Calendar year	•	•	•	•	•	•	•	•	•	•	•	•
ASSOCIATE/ASSISTANT ADMINISTRATOR												
Doctorate												
Academic year	•	•	•	•	•	•	•	•	•	•	•	•
Calendar year	•	•	•	•	•	•	•	•	•	•	•	•
Master's (nursing)												
Academic year	13	31,764	10,150	13	22,333	3,759	22	24,681	4,903	14	33,056	3,943
Calendar year	17	31,643	9,399	76	32,929	4,070	6	29,350	5,653	—	—	—
Master's (non-nursing)												
Academic year	•	•	•	•	•	•	8	26,563	4,158	14	36,818	5,661
Calendar year	•	•	•	•	•	•	•	•	•	•	•	•
Other credential												
Academic year	—	—	—	•	•	•	•	•	•	•	•	•
Calendar year	•	•	•	•	•	•	—	—	—	—	—	—

•Too few data to warrant publication

Table F-48
MEAN SALARIES OF FACULTY IN ASSOCIATE DEGREE PROGRAMS, BY NLN REGION

RANK AND HIGHEST CREDENTIAL, BY TYPE OF APPOINTMENT	NORTH ATLANTIC			MIDWESTERN			SOUTHERN			WESTERN		
	Number	Mean Salary	Standard Deviation	Number	Mean Salary	Standard Deviation	Number	Mean Salary	Standard Deviation	Number	Mean Salary	Standard Deviation
PROFESSOR												
Doctorate												
Academic year	13	$43,650	$10,154	*	*	*	13	$30,043	$4,847	14	$35,200	$6,477
Calendar year	*	*	*	*	*	*	*	*	*	*	*	*
Master's (nursing)												
Academic year	86	33,638	10,390	34	35,491	3,362	90	29,362	5,078	75	32,394	6,475
Calendar year	*	*	*	—	—	—	12	30,500	8,495	*	*	*
Other credential												
Academic year	11	34,240	7,816	8	30,675	9,960	35	26,550	7,199	10	32,183	5,925
Calendar year	*	*	*	*	*	*	—	—	—	—	—	—
ASSOCIATE PROFESSOR												
Doctorate												
Academic year	11	32,129	10,849	6	30,560	5,900	7	31,567	4,013	7	31,540	5,045
Calendar year	*	*	*	—	—	—	*	*	*	*	*	*
Master's (nursing)												
Academic year	176	29,292	6,138	107	28,505	4,287	204	26,164	3,670	68	31,190	5,453
Calendar year	30	28,679	4,431	*	*	*	12	30,267	8,470	19	27,100	4,093
Other credential												
Academic year	34	28,248	5,499	33	27,707	4,470	47	25,690	4,104	16	29,071	6,736
Calendar year	*	*	*	*	*	*	*	*	*	*	*	*
ASSISTANT PROFESSOR												
Doctorate												
Academic year	8	31,683	6,446	*	*	*	29	23,418	1,626	6	29,400	7,205
Calendar year	*	*	*	*	*	*	*	*	*	*	*	*
Master's (nursing)												
Academic year	271	24,572	4,571	200	24,619	4,296	389	23,332	3,605	85	28,170	6,480
Calendar year	27	24,075	4,160	10	26,950	6,294	68	25,038	6,171	23	27,300	4,746
Other credential												
Academic year	41	24,033	5,509	82	24,775	3,584	90	24,500	4,417	36	23,975	3,907
Calendar year	*	*	*	*	*	*	11	22,857	9,990	*	*	*
INSTRUCTOR												
Doctorate												
Academic year	*	*	*	16	31,486	4,734	46	26,969	4,862	51	23,011	7,657
Calendar year	*	*	*	*	*	*	15	30,120	6,854	*	*	*
Master's (nursing)												
Academic year	127	21,480	3,065	369	24,318	4,738	405	22,465	3,801	202	27,904	5,920
Calendar year	68	25,120	6,195	17	26,930	4,927	131	24,450	6,621	20	22,500	2,603
Other credential												
Academic year	84	20,281	4,184	181	24,293	4,172	204	23,185		43	24,888	3,914
Calendar year	*	*	*	*	*	*	*	*	*	*	*	*
OTHER RANK												
Doctorate												
Academic year	—	—	—	*	*	*	*	*	*	—	—	—
Calendar year	—	—	—	—	—	—	—	—	—	—	—	—
Master's (nursing)												
Academic year	9	23,533	4,007	13	19,125	1,997	*	*	*	—	—	—
Calendar year	*	*	*	*	*	*	—	—	—	*	*	*
Other credential												
Academic year	11	18,438	4,570	11	18,830	2,985	17	19,900	4,451	14	20,883	3,229
Calendar year	*	*	*	*	*	*	*	*	*	*	*	*

* Too few data to warrant publication

Salaries of Administrators and Faculty in Diploma Programs by NLN Region (Tables F-49 and F-50)

- Table F-49 lists salaries of administrators in diploma programs by NLN region. Table F-50 lists mean salaries of faculty in diploma programs by NLN region.

- There are too few diploma programs in the West to report the salary data and maintain the anonymity of respondents.

- The mean salaries of diploma program administrators and faculty were generally quite similar across NLN regions. However, administrators and faculty in the Midwest tend to have somewhat higher mean salaries than those in the other regions.

- Instructors in diploma programs with master's degrees in fields other than nursing tended to have higher salaries than faculty with master's degrees in nursing. These differences may reflect longevity in the position rather than educational preparation.

Table F-49

MEAN SALARIES OF ADMINISTRATORS IN DIPLOMA PROGRAMS, BY NLN REGION

RANK AND HIGHEST CREDENTIAL, BY TYPE OF APPOINTMENT	NORTH ATLANTIC			MIDWESTERN			SOUTHERN			WESTERN		
	Number	Mean Salary	Standard Deviation	Number	Mean Salary	Standard Deviation	Number	Mean Salary	Standard Deviation	Number	Mean Salary	Standard Deviation
CHIEF ADMINISTRATOR												
Doctorate												
Academic year	—	—	—	*	*	*	—	—	—	—	—	—
Calendar year	7	$40.671	$4.438	7	$46.871	$7.540	*	*	*	—	—	—
Master's (nursing)												
Academic year	*	*	*	*	*	*	*	*	*	—	—	—
Calendar year	32	39.678	6.423	22	42.323	8.393	15	$36.707	$10.257	*	*	*
Master's (non-nursing)												
Academic year	*	*	—	*	*	*	—	—	—	—	—	—
Calendar year	10	35.190	6.336	15	42.193	8.205	9	42.422	9.751	—	—	—
Other credential												
Academic year	*	*	*	—	—	—	—	—	—	—	—	—
Calendar year	*	*	*	—	—	—	*	*	*	—	—	—
ASSOCIATE/ASSISTANT ADMINISTRATOR												
Doctorate												
Academic year	*	*	*	—	—	—	*	*	*	—	—	—
Calendar year	*	*	*	*	*	*	—	—	—	*	*	*
Master's (nursing)												
Academic year	*	*	*	6	32.480	6.392	*	*	*	—	—	—
Calendar year	28	32.423	4.589	23	32.715	3.973	9	34.363	4,173	*	*	*
Master's (non-nursing)												
Academic year	*	*	*	*	*	*	—	—	—	—	—	—
Calendar year	14	31.738	5.171	25	34.604	6.529	6	29.950	4.949	—	—	—
Other credential												
Academic year	—	—	—	*	*	*	—	—	—	—	—	—
Calendar year	*	*	*	*	*	*	*	*	*	—	—	—

*Too few data to warrant publication

Table F-50
MEAN SALARIES OF FACULTY IN DIPLOMA PROGRAMS, BY NLN REGION

RANK AND HIGHEST CREDENTIAL BY TYPE OF APPOINTMENT	NORTH ATLANTIC			MIDWESTERN			SOUTHERN			WESTERN		
	Number of Faculty	Mean Salary	Standard Deviation	Number of Faculty	Mean Salary	Standard Deviation	Number of Faculty	Mean Salary	Standard Deviation	Number of Faculty	Mean Salary	Standard Deviation
COORDINATOR/DEPARTMENT HEAD												
Doctorate												
Academic year	*	*	*	*	*	*	—	—	—	—	—	—
Calendar year	*	*	*	7	$31,971	$ 4,351	*	*	*	—	—	—
Master's (nursing)												
Academic year	21	$30,838	$5,565	24	28,573	3,513	6	$29,220	$5,147	—	—	—
Calendar year	50	29,333	3,740	47	31,489	3,479	15	31,125	7,569	*	*	*
Master's (non-nursing)												
Academic year	11	29,429	3,723	26	26,945	4,550	*	*	*	—	—	—
Calendar year	13	28,382	4,279	37	30,580	3,820	15	30,200	7,844	*	*	*
Baccalaureate (nursing)												
Academic Year	7	25,100	4,230	39	21,317	3,500	—	—	—	—	—	—
Calendar year	7	27,000	2,205	24	25,100	3,818	*	*	*	—	—	—
Other credential												
Academic year	—	—	—	*	*	*	—	—	—	—	—	—
Calendar year	—	—	—	*	*	*	—	—	—	—	—	—
INSTRUCTOR												
Master's (nursing)												
Academic year	98	25,392	3,768	87	26,600	2,314	29	25,617	2,317	—	—	—
Calendar year	245	27,238	3,052	111	28,595	2,886	144	27,945	3,808	*	*	*
Master's (non-nursing)												
Academic year	41	32,200	1,901	37	41,831	11,891	*	*	*	—	—	—
Calendar year	201	29,269	2,060	107	39,578	13,071	164	37,850	1,886	*	*	*
Baccalaureate (nursing)												
Academic year	43	22,174	4,739	25	24,149	2,069	30	23,480	2,714	—	—	—
Calendar year	65	23,678	3,241	85	21,764	2,919	116	24,801	3,874	*	*	*
Other credential												
Academic year	*	*	*	*	*	*	*	*	*	—	—	—
Calendar year	*	*	*	*	*	*	*	*	*	—	—	—
ASSISTANT INSTRUCTOR/ OTHER RANK												
Master's (nursing)												
Academic year	—	—	—	—	—	—	*	*	*	—	—	—
Calendar year	17	25,767	5,389	*	*	*	18	28,940	3,960	*	*	*
Master's (non-nursing)												
Academic year	8	27,400	4,317	*	*	*	—	—	—	—	—	—
Calendar year	9	22,588	6,316	21	24,640	4,466	11	26,650	1,377	—	—	—
Baccalaureate (nursing)												
Academic year	*	*	*	—	—	—	—	—	—	—	—	—
Calendar year	*	*	*	9	26,300	1,931	8	25,640	2,263	—	—	—
Other credential												
Academic year	*	*	*	*	*	*	—	—	—	—	—	—
Calendar year	*	*	*	*	*	*	*	*	*	—	—	—

Salaries of Administrators and Faculty by Public or Private Support of the Institution (Tables F-51 and F-52)

- Tables F-51 and F-52 compare the mean salaries of nursing administrators and faculty in institutions with public support and those with private support (secular or religious), by type of program. The distribution of responding programs with each type of support was as follows:

Type of Program	Public Support	Private/Secular	Private/Religious
Associate degree	87.9%	6.1%	6.0%
Diploma	17.7%	55.3%	27.0%
Baccalaureate and Higher Degree			
Total	46.6%	23.2%	30.3%
With generic students	47.4%	22.4%	30.2%
With RN students only	44.1%	25.5%	30.3%

- Mean salaries in publicly supported institutions tend to be higher than those in private institutions, particularly in baccalaureate and higher degree programs. The mean salaries in institutions with private religious support tend to be the lowest.

- The differences in mean salaries are greatest at all ranks between publicly supported institutions and those with private religious support—in general, about $4,000.

- Diploma programs tend to have about the same mean salaries for publicly and privately supported programs.

Table F-51

MEAN SALARIES OF ADMINISTRATORS, BY TYPE OF PROGRAM AND INSTITUTIONAL SUPPORT

RANK AND HIGHEST CREDENTIAL BY TYPE OF APPOINTMENT	BACCALAUREATE AND HIGHER DEGREE PROGRAMS						ASSOCIATE DEGREE PROGRAMS			DIPLOMA PROGRAMS		
	With Generic Students			With RN Students Only								
	Public	Private Secular	Private Religious	Public	Private Secular	Private Religious	Public	Private Secular	Private Religious	Public	Private Secular	Private Religious
CHIEF ADMINISTRATIVE OFFICER												
Doctorate												
Academic year	$40,058	$40,788	$35,088	$38,585	$34,333	$27,100	$36,894	*	—	—	*	—
Calendar year	56,275	49,261	40,709	48,857	44,233	38,510	40,144	35,763	31,050	*	42,573	*
Master's (nursing)												
Academic year	28,729	24,213	27,073	33,875	31,174	27,333	32,777	27,564	23,180	*	38,050	43,580
Calendar year	39,582	38,400	32,500	38,050	34,250	32,314	35,599	34,438	31,942	40,889	39,849	40,200
Other credential												
Academic year	—	20,250	23,900	28,533	*	*	31,802	*	25,200	—	33,525	*
Calendar year	*	—	—	—	—	—	34,546	—	—	41,792	37,871	41,862
ASSOCIATE/ASSISTANT ADMINISTRATOR												
Doctorate												
Academic year	35,629	32,700	31,186	34,150	32,550	*	30,600	*	*	—	*	*
Calendar year	45,683	39,575	41,925	56,133	46,174	*	40,963	*	—	*	33,960	—
Master's (nursing)												
Academic year	31,700	26,850	24,893	28,150	24,680	*	28,421	21,100	23,050	—	32,783	33,225
Calendar year	39,522	33,444	31,917	33,450	34,287	*	31,256	35,314	25,575	34,344	33,180	31,278
Other credential												
Academic year	27,450	32,800	—	—	—	—	30,748	*	—	—	33,400	—
Calendar year	37,510	34,443	—	*	*	—	35,263	*	29,480	32,650	33,363	32,833

* Too few data to warrant publication

Table F-52
MEAN SALARIES OF FACULTY, BY TYPE OF PROGRAM AND INSTITUTIONAL SUPPORT

RANK AND HIGHEST CREDENTIAL BY TYPE OF APPOINTMENT	BACCALAUREATE AND HIGHER DEGREE PROGRAMS						ASSOCIATE DEGREE PROGRAMS			DIPLOMA PROGRAMS		
	With Generic Students			With RN Students Only								
	Public	Private Secular	Private Religious	Public	Private Secular	Private Religious	Public	Private Secular	Private Religious	Public	Private Secular	Religious
PROFESSOR										COORDINATOR/DEPARTMENT HEAD		
Doctorate												
Academic year	$39,137	$37,098	$33,388	$37,686	$37,500	$32,380	$37,154	*	—	—	$25,300	*
Calendar year	46,237	*	40,043	46,750	*	*	*	—	*	*	33,440	31,900
Master's (nursing)												
Academic year	37,038	32,736	27,917	34,200	*	—	32,366	—	—	*	29,529	29,167
Calendar year	39,490	—	*	*	—	—	23,860	—	*	28,778	30,392	32,191
Other credential												
Academic year	34,800	—	—	*	*	*	30,549	*	—	25,080	25,961	27,260
Calendar year	*	—	—	—	—	—	*	—	—	31,058	27,534	29,242
ASSOCIATE PROFESSOR										INSTRUCTOR		
Doctorate												
Academic year	32,958	30,487	27,422	31,447	34,575	24,725	31,800	*	—	—	*	—
Calendar year	38,072	34,517	31,100	*	—	*	25,967	*	*	*	28,250	*
Master's (nursing)												
Academic year	30,378	27,308	24,656	29,712	27,251	23,089	28,771	23,500	21,875	25,967	25,690	26,464
Calendar year	35,442	34,260	29,171	*	*	*	29,738	*	24,640	27,689	27,436	29,267
Other credential												
Academic year	28,350	27,275	23,640	*	*	*	27,614	*	—	28,611	28,949	27,489
Calendar year	20,325	—	*	—	—	—	21,180	—	—	25,200	28,200	*
ASSISTANT PROFESSOR										ASSISTANT INSTRUCTOR		
Doctorate												
Academic year	28,234	26,680	23,813	26,143	26,300	21,467	27,252	*	—	—	—	—
Calendar year	33,485	30,920	29,020	32,100	24,147	25,481	*	*	*	—	*	—
Master's (nursing)												
Academic year	25,372	23,583	21,601	24,717	24,991	22,780	25,105	21,244	20,021	—	*	—
Calendar year	30,153	31,830	24,682	28,225	24,177	25,042	26,805	25,975	21,944	*	27,400	*
Other credential												
Academic year	26,127	24,311	21,355	25,250	22,700	21,000	24,471	20,240	17,833	—	23,300	*
Calendar year	31,443	*	32,433	*	*	—	24,938	—	35,667	25,400	26,800	26,950
INSTRUCTOR										OTHER RANK		
Doctorate												
Academic year	25,818	21,411	21,040	*	*	*	28,542	*	*	—	—	—
Calendar year	26,550	*	*	*	*	*	30,057	*	*	—	—	—
Master's (nursing)												
Academic year	21,915	20,435	19,052	22,171	20,748	19,192	24,130	19,673	19,689	24,340	*	—
Calendar year	27,068	27,963	20,938	27,749	22,911	*	24,946	29,560	21,056	24,400	*	*
Other credential												
Academic year	20,408	20,157	18,862	20,667	21,145	17,745	22,524	18,506	16,380	*	*	*
Calendar year	23,333	15,000	27,500	*	*	*	*	—	—	23,900	24,223	26,220
OTHER RANK												
Doctorate												
Academic year	*	24,710	*	—	—	—	*	—	—			
Calendar year	*	*	*	*	—	—	—	—	—			
Master's (nursing)												
Academic year	23,971	22,842	21,786	22,040	21,748	20,040	21,741	*	*			
Calendar year	22,899	23,714	23,416	*	*	*	*	—	—			
Other credential												
Academic year	18,983	21,625	17,050	*	*	*	19,212	—	—			
Calendar year	28,629	—	*	—	—	—	*	—	—			

* Too few data to warrant publication.

COMPARISON OF NURSING SALARIES WITH AAUP SALARIES
(Tables F-53 to F-55)

- Tables F-53 to F-55 present a comparative analysis of nursing faculty salaries with the 1985-86 annual report of salaries by the American Association of University Professors (AAUP). References to AAUP data in this section are from the association's journal *Academe* (1986).

- Higher education institutions are categorized by AAUP as follows:

Category I (Doctoral Level Institutions)

— Categorized by a significant level and breadth of activity in and commitment to doctoral education.

— Grant a minimum of 30 doctoral degrees per year, which are granted in three or more doctoral programs.

— Are not considered specialized schools (see Category IIc).

Category IIa (Comprehensive Institutions)

— Characterized by diverse postbaccalaureate programs (including first professional degrees).

— Do not engage in significant doctoral level education.

— Grant a minimum of 30 postbaccalaureate degrees per year in three or more postgraduate programs.

Category IIb (General Baccalaureate Institutions)

— Place primary emphasis on general undergraduate baccalaureate education.

— Are not significantly engaged in postbaccaluareate education; grant less than 30 graduate degrees per year.

— Grant baccalaureate degrees in three or more program areas.

Category IIc (Specialized Institutions)

— Baccalaureate or postbaccalaureate institutions that are characterized by a programmatic emphasis in one area (plus closely related specialties).

— Grant over 60 percent of degrees in one program area and grant degrees in fewer than five baccalaureate programs.

Category III (Two-year Institutions with Academic Ranks)

— Confer at least 75 percent of degrees for work below the bachelor's degree.

Category IV (Two-Year Institutions Without Academic Rank)

— Same definition as Category III, but faculty do not have academic rank.

- In Tables F-53 to F-55, nursing programs in higher education are grouped according to the corresponding institutional AAUP category. Mean salaries of faculty members are presented by type of program, rank, and highest earned credential. Calendar year salaries are adjusted to academic year salaries by 9/11 as is done for the AAUP data. Each program was asked to identify which AAUP category best fits its parent institution at this time.

- The distribution (by percent) of reporting nursing education programs according to AAUP category is as follows.

AAUP Category	Baccalaureate and Higher Degree Programs Total	Generic	BRN	Associate Degree Programs
I	19.8%	24.3%	7.0%	2.5%
IIa	26.8%	28.1%	23.0%	7.9%
IIb	49.4%	43.9%	64.8%	12.5%
IIc	2.8%	2.3%	4.2%	1.3%
III	0.6%	0.5%	0.7%	46.1%
IV	0.0%	0.0%	0.0%	31.6%
Other	0.1%	0.1%	0.0%	2.0%

- Twenty percent of baccalaureate and higher degree programs are in major institutions granting doctoral degrees (Category I). Of these, most are generic baccalaureate and higher degree programs. Only 7 percent of BRN programs are in Category I institutions. Forty-seven percent of baccalaureate and higher degree programs are in institutions with graduate programs (Categories I and IIa). Seventy-eight percent of associate degree programs are in institutions that are in AAUP categories III and IV.

- Data on diploma programs are not analyzed here since they are usually found in educational settings not included in the AAUP categories.

Salaries of Administrators by AAUP Category (Table F-53)

- Table F-53 summarizes the salary of the chief administrator of each type of nursing education program by the administrator's highest earned credential and AAUP institution category. No analysis was made of the administrators' academic rank or length of experience in higher education, which are also factors in determining salary level.

- Calendar year salaries were adjusted by 9/11 to an equivalent academic year salary, according to the AAUP procedure. The AAUP mean salary for professor is listed on the top of this table for comparison purposes.

- Chief administrators of baccalaureate and higher degree programs in Category I institutions have a mean salary that is about $10,000 higher than those in any other institutional category. Chief administrators in programs in Category IIb institutions have significantly lower salaries than those in Category IIa.

- Overall, administrators of associate degree programs had a lower mean salary than baccalaureate and higher degree program administrators in the same AAUP category. However, in Category IIb institutions, the salary for chief administrators of BRN programs is similar to that of adminstrators of AD programs.

- Associate degree program administrators with a master's degree in nursing in Category I institutions had a higher mean salary ($32,936) than those with a doctoral degree ($30,641).

Table F-53
SALARIES OF CHIEF ADMINISTRATORS OF NURSING EDUCATION PROGRAMS, BY AAUP CATEGORY

FACULTY RANK AND HIGHEST CREDENTIAL	MEAN SALARY BY AAUP CATEGORY[1]					
	I	IIa	IIb	IIc	III	IV
AAUP Professor salary level	**$47,280**	**$39,740**	**$34,280**	**$40,280**	**$34,560**	**$28,320**
ALL BACCALAUREATE AND HIGHER DEGREE PROGRAMS						
All administrators	50,190	39,988	32,984	37,114	*	—
Administrators with doctorate	50,642	40,886	34,728	38,315	*	—
Administrators with master's (nursing)	*	33,372	29,562	24,370	*	—
BACCALAUREATE AND HIGHER DEGREE PROGRAMS WITH GENERIC STUDENTS						
All administrators	50,266	40,555	33,680	32,952	*	—
Administrators with doctorate	50,752	41,603	35,244	39,895	*	—
Administrators with master's (nursing)	*	33,296	29,509	*	*	—
BACCALAUREATE AND HIGHER DEGREE PROGRAMS WITHOUT GENERIC STUDENTS						
All administrators	49,091	37,499	31,655	*	*	—
Administrators with doctorate	49,091	37,630	32,865	*	*	—
Administrators with master's (nursing)	—	*	29,681	*	*	—
ASSOCIATE DEGREE PROGRAMS						
All administrators	31,645	32,298	31,009	26,744	30,815	31,885
Administrators with doctorate	30,641	36,451	33,676	*	33,232	33,331
Administrators with master's (nursing)	32,936	27,684	27,946	25,494	29,002	31,438
Administrators with other credential	—	—	*	—	*	*

*Too few data to warrant publication.

[1] See p. 166 for explanation of categories. Calendar year salaries adjusted by 9/11 to compare with AAUP data.

Salaries of Baccalaureate and Higher Degree Program Faculty by AAUP Category (Table F-54)

- An analysis of nurse faculty salaries in baccalaureate and higher degree programs by AAUP institution category is presented in this table.

- The 1985-86 AAUP data for mean salaries by rank and institutional category are presented in bold type for comparison with data from the NLN survey.

- In Category I institutions, faculty salaries were below the AAUP mean salaries except on the instructor level.

- Nursing faculty with earned doctorates in Category IIa and IIb institutions had mean salaries at or above the AAUP mean.

- At the level of assistant professor, the mean salaries for nursing faculty with doctoral degrees were slightly higher than the AAUP mean salaries in Category I, IIa, and IIb institutions.

- At the rank of instructor, the mean salaries for nursing faculty with doctoral and master's preparation were higher than the AAUP mean salaries, with the exception of instructors with master's in nursing in Category IIc (specialized) institutions.

- The averaging of the adjusted calendar year mean salaries with academic year salaries tended to lower the nursing mean salary in each category.

Table F-54

SALARIES OF BACCALAUREATE AND HIGHER DEGREE PROGRAM FULL-TIME FACULTY COMPARED WITH AAUP SALARY CATEGORY[1]

FACULTY RANK AND HIGHEST CREDENTIAL	MEAN SALARY BY AAUP CATEGORY[1]					
	I	IIa	IIb	IIc	III	IV
Professor (AAUP)	**$47,280**	**$39,740**	**$34,280**	**$40,280**	**$34,500**	**$28,320**
Nursing with doctorate	40,490	39,478	34,568	—	—	—
Nursing with master's (nursing)	36,057	35,985	29,640	—	—	—
Nursing with other credential	32,440	*	—	—	—	—
Associate Professor (AAUP)	**34,040**	**31,550**	**27,600**	**32,050**	**29,490**	**28,320**
Nursing with doctorate	32,102	31,842	27,510	—	*	—
Nursing with master's (nursing)	30,520	29,471	25,382	24,421	—	—
Nursing with other credential	30,170	28,473	26,009	*	—	—
Assistant Professor (AAUP)	**28,460**	**25,930**	**22,900**	**26,520**	**25,140**	**28,320**
Nursing with doctorate	29,426	27,478	23,427	*	—	—
Nursing with master's (nursing)	25,839	24,445	21,701	22,987	—	—
Nursing with other credential	25,651	24,993	20,971	*	—	—
Instructor (AAUP)	**20,990**	**20,820**	**18,730**	**21,520**	**20,520**	**28,320**
Nursing with doctorate	23,184	25,500	23,440	*	—	—
Nursing with master's (nursing)	22,674	20,756	20,103	19,529	*	—
Nursing with other credential	21,792	20,047	18,333	*	—	—
Other Rank (AAUP Lecturer)	**24,440**	**21,720**	**21,910**	**24,050**	**18,210**	**28,320**
Nursing with doctorate	29,400	25,300	*	—	—	—
Nursing with master's (nursing)	22,686	21,522	*	*	—	—
Nursing with other credential	21,750	25,850	17,233	—	—	—

*Too few data to warrant publication.

[1] See p. 166 for explanation of categories. Calendar year salaries adjusted by 9/11 to compare with AAUP data.

Salaries of Associate Degree Program Faculty by AAUP Category (Table F-55)

- The 1985-86 AAUP data for mean salaries by rank and institutional categories are presented in bold type for comparison with the salaries of nursing faculty in associate degree programs.

- Associate degree programs are offered in all types of AAUP institutions. The breakdown of percentages by AAUP category is presented in the introduction to this section.

- Forty-six percent of associate degree programs are in institutions with faculty academic ranks that primarily grant associate degrees.

- An additional 32 percent of associate degree programs were in institutions listed by AAUP as not having faculty academic ranks (category IV). For these programs, the overall mean salaries were listed for each rank since some of these nursing programs reported salaries for faculty in ranks other than "instructor" or "other."

- At institutions whose primary emphasis was not on the associate degree (Categories I, IIa, IIb, and IIc), the mean salaries for associate degree faculty were at or below the AAUP means. The one exception was for faculty with doctoral degrees at the associate professor level in Category IIb institutions.

- In associate degree institutions (Category III) the mean salaries for nursing faculty tended to be about the same or higher than the AAUP means, with the exception of faculty with credentials other than master's or doctoral preparation. In Category IV institutions, the salaries tend to be lower than the AAUP level.

Table F-55

SALARIES OF ASSOCIATE DEGREE PROGRAM FULL-TIME FACULTY COMPARED WITH AAUP SALARY CATEGORY[1]

FACULTY RANK AND HIGHEST CREDENTIAL	MEAN SALARY BY AAUP CATEGORY[1]					
	I	IIa	IIb	IIc	III	IV
Professor (AAUP)	**$47,280**	**$39,740**	**$34,280**	**$40,280**	**$34,560**	**$28,320**
Nursing with doctorate	*	*	*	—	38,728	*
Nursing with master's (nursing)	*	*	30,417	*	32,520	*
Nursing with other credential	—	—	—	—	29,262	*
Associate Professor (AAUP)	**34,040**	**31,550**	**27,600**	**32,050**	**29,490**	**28,320**
Nursing with doctorate	*	24,727	29,533	—	33,527	*
Nursing with master's (nursing)	26,997	25,839	25,908	*	28,459	29,214
Nursing with other credential	*	*	27,167	—	28,173	23,817
Assistant Professor (AAUP)	**28,460**	**25,930**	**22,980**	**26,520**	**25,140**	**28,320**
Nursing with doctorate	*	*	*	—	27,677	*
Nursing with master's (nursing)	23,947	22,744	21,883	*	25,146	24,635
Nursing with other credential	24,150	23,740	22,357	—	24,758	23,608
Instructor (AAUP)	**20,990**	**20,820**	**18,730**	**21,520**	**20,520**	**28,320**
Nursing with doctorate	—	—	*	—	26,838	28,949
Nursing with master's (nursing)	20,461	18,919	18,688	22,517	23,100	25,751
Nursing with other credential	19,100	19,410	18,458	25,033	22,257	23,431
Other Rank (AAUP Lecturer)	**24,440**	**21,720**	**21,910**	**24,050**	**18,210**	**28,320**
Nursing with doctorate	*	—	—	—	—	*
Nursing with master's (nursing)	*	—	—	—	21,400	*
Nursing with other credential	*	16,500	18,842	—	20,230	20,200

*Too few data to warrant publication.

[1] See p. 166 for explanation of categories. Calendar year salaries adjusted by 9/11 to compare with AAUP data.

PN Students

SUMMARY AND RESULTS OF LPN/LVN STUDENT CENSUS

Methodology and Response Rate

Every fall, each of the state boards of practical and vocational nursing are contacted to update NLN's list of approved practical and vocational programs. In 1984, the state boards identified 1,162 schools of practical and vocational nursing in the United States with 1,254 LPN/LVN programs. An additional 26 schools were identified in the territories of American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Each state-approved school subsequently received the NLN annual survey, which included questions concerning the number of students admitted, enrolled, and graduated from the program. Additional information on primary source of financial support, administrative control, and tuition and fees was requested.

As in the past, NLN has maintained a 100 percent response rate to the areas of the survey concerning admissions, enrollments, and graduations.

Features of LPN/LVN Programs

In 1984, there were 1,162 schools of practical and vocational nursing with a total of 1,254 programs. The number of programs dropped 3.3 percent over the previous year. The majority of the programs (89%) were conducted for adults, and over 91 percent of the programs were publicly supported. More than half of the programs (51.3%) were under the administrative control of technical or vocational schools. Smaller percentages were located in junior or community colleges (31.9%), hospitals (6.8%), secondary schools (6.7%), government agencies (1.4%), senior colleges or universities (1.1%), and independent agencies (0.8%).

The Southern region had the largest proportion of practical and vocational programs with 43 percent of the total. The Midwest had 22 percent; the North Atlantic, 19 percent; and the West, 16 percent of the total programs.

Admissions, Enrollments, and Graduations

Total annual admissions to practical and vocational nursing programs in the United States between August 1983 and July 1984 fell to 57,865, representing a decrease of 5.8 percent over the previous year.

Fall admissions dropped to 33,351—almost 12 percent since 1983. This suggests that annual admissions to LPN/LVN programs will decline further in 1984-85.

Enrollment, as of October 15, 1984, totaled 48,840—an almost 12 percent decrease from the 1983 figure. Furthermore, graduations dipped 2.5 percent from 45,174 in 1983 to 44,054 in 1984.

Men and Minority Students

Starting in 1984, data on men and minority students will be gathered every year. In 1983-84, ethnic and minority students (excluding men) constituted 21.5 percent of total admissions to practical and vocational nursing programs. Blacks made up 15.8 percent of the annual admissions, and men represented 6.5 percent of the admissions. Similar percentages of men and minority students were found in enrollment and graduation figures. The proportions of men and black students have both been increasing since 1978, when NLN began collecting this data.

LPN/LVN PROGRAMS

Number of LPN/LVN Programs (Tables PN-1 and PN-2)

- In 1984, there were 1,162 LPN and LVN schools in the United States, with a total of 1,254 programs. This represents a 3.3 percent decrease in the number of programs over the previous year. Moreover, the number of schools decreased 4.6 percent since 1983 (Table PN-1).

- Of the 1,254 programs, 89 percent were programs conducted primarily for adults and out-of-school youth. High school extended programs and high school programs accounted for 7 percent and 4 percent of the total, respectively. This percentage breakdown is identical to last year's (Table PN-1).

- The largest portion of the LPN/LVN programs are in the South. The regional breakdown among programs was South, 42.5 percent; Midwest, 22.4 percent; North Atlantic, 18.7 percent; and West, 16.4 percent (Table PN-2).

Historical trends: The number of LPN/LVN programs peaked at 1,319 in 1977. Five years ago, in 1979, the number of programs stood at 1,298, and ten years ago there were 1,294 LPN/LVN programs. In short, the number of LPN/LVN programs has decreased 3.4 percent since 1979, 4.9 percent since 1977, and 3.2 percent since 1974.

Table PN-1
LPN/LVN SCHOOLS AND PROGRAMS WITH PERCENTAGE CHANGE FROM PREVIOUS YEAR, BY TYPE OF PROGRAM: 1965 TO 1984

YEAR[1]	SCHOOLS[2]		PROGRAMS							
			All L.P.N./L.V.N. Programs		Adult Programs[3]		High School Programs[4]		High School Extended Programs[5]	
	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change
1965	945	+7.0	971	+7.8	907	*	19	*	45	*
1966	1,030	+9.0	1,068	+10.0	985	+8.6	34	+78.9	49	+8.9
1967	1,103	+7.1	1,133	+6.1	1,034	+5.0	33	−2.9	66	+34.7
1968	1,136	+3.0	1,174	+3.6	1,061	+2.6	44	+33.3	69	+4.5
1969	1,162	+2.3	1,234	+5.1	1,110	+4.6	38	−13.6	86	+24.6
1970	1,172	+0.9	1,233	−0.1	1,103	−0.6	42	+10.5	88	+2.3
1971	1,191	+1.6	1,271	+3.1	1,131	+2.5	48	+14.3	92	+4.5
1972	1,196	+0.4	1,286	+1.2	1,142	+1.0	51	+6.2	93	+1.1
1973	1,191	−0.4	1,283	−0.2	1,135	−0.6	57	+11.8	91	−2.1
1974	1,206	+1.3	1,294	+0.9	1,137	+0.2	62	+8.8	95	+4.4
1975	1,228	+1.8	1,315	+1.6	1,156	+1.7	63	+1.6	96	+1.1
1976	1,236	+0.6	1,318	+0.2	1,155	−0.1	66	+4.8	97	+1.0
1977	1,234	−0.2	1,319	+0.1	1,155	+0.0	63	−4.5	101	+4.1
1978	1,232	−0.2	1,310	−0.7	1,156	+0.1	60	−4.8	94	−6.9
1979	1,222	−0.8	1,298	−0.9	1,147	−0.8	60	+0.0	91	−3.2
1980	1,221	−0.1	1,299	+0.1	1,153	+0.5	55	−8.3	91	+0.0
1981	1,231	+0.8	1,309	+0.8	1,163	+0.9	55	+0.0	91	+0.0
1982	1,221	−0.8	1,295	−1.1	1,153	−0.9	55	+0.0	91	+0.0
1983	1,218	−0	1,297	+0.2	1,154	+0.1	56	+0.0	87	−4.4
1984	1,162	−	1,254	−3.3	1,114	−3.5	57	+1.8	83	−4.6

[1] As of October 15.

[2] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[3] Adult programs are conducted primarily for adults and out-of-school youth and have not been planned as part of a high school curriculum.

[4] High School programs are conducted primarily for high school students and lead concurrently to a high school diploma and eligibility for writing the licensure examination.

[5] High School Extended programs are conducted primarily for high school students and lead to a high school diploma, but require some additional months of preparation after high school graduation.

* Data not available.

Table PN-2

LPN/LVN PROGRAMS, BY NLN REGION AND STATE: 1975 TO 1984

NLN REGION AND STATE	NUMBER OF PROGRAMS									
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
United States[1]	**1,315**	**1,318**	**1,319**	**1,310**	**1,298**	**1,299**	**1,309**	**1,296**	**1,297**	**1,254**
North Atlantic	272	268	259	248	245	239	233	232	236	234
Midwestern	271	271	273	274	279	281	280	288	286	281
Southern	555	562	572	570	566	575	585	567	564	533
Western	217	217	215	218	208	204	211	208	211	206
Alabama	26	26	25	25	25	25	25	25	25	23
Alaska	1	1	1	1	1	1	1	1	1	1
Arizona	12	13	14	14	13	12	11	12	12	12
Arkansas	27	29	30	29	27	27	29	29	29	28
California	97	100	96	97	91	86	90	94	95	93
Colorado	17	17	17	18	17	17	18	18	18	16
Connecticut	10	10	10	10	10	10	10	10	10	10
Delaware	4	5	5	5	5	5	5	5	5	5
District of Columbia	5	5	3	3	3	3	3	3	3	3
Florida	33	33	35	35	35	35	36	37	37	36
Georgia	53	52	53	53	54	52	53	49	48	45
Hawaii	4	4	4	4	4	4	4	4	4	4
Idaho	13	11	11	11	10	11	10	8	8	8
Illinois	41	42	42	43	45	45	44	44	42	41
Indiana	18	18	17	17	17	17	17	17	18	19
Iowa	25	25	25	25	26	27	27	29	30	27
Kansas	16	16	16	17	17	16	16	18	18	18
Kentucky	15	15	15	16	16	16	16	16	16	16
Louisiana	29	31	35	36	37	37	38	38	37	35
Maine	5	5	5	5	5	5	5	5	5	5
Maryland	24	22	22	20	22	21	21	20	20	20
Massachusetts	34	32	32	31	30	30	26	25	26	24
Michigan	38	37	37	36	36	36	37	37	36	35
Minnesota	27	27	27	27	27	27	27	27	26	26
Mississippi	14	13	13	14	14	14	14	14	13	12
Missouri	32	32	33	33	33	33	34	34	34	35
Montana	7	7	6	6	6	5	5	5	5	5
Nebraska	9	9	9	9	9	9	9	9	8	8
Nevada	6	6	7	7	7	7	6	5	4	4
New Hampshire	4	4	4	4	4	4	4	5	5	5
New Jersey	39	38	37	34	35	35	32	31	32	32
New Mexico	11	11	11	11	10	10	11	9	10	10
New York	114	111	106	99	97	92	90	90	90	89
North Carolina	41	41	41	42	40	39	45	46	46	28
North Dakota	3	3	5	5	6	7	6	7	7	7
Ohio	42	42	42	42	43	44	45	46	47	45
Oklahoma	24	26	27	29	28	31	31	32	35	34
Oregon	12	12	12	12	11	11	11	11	12	12
Pennsylvania	52	53	53	53	52	51	54	54	56	57
Rhode Island	2	2	1	1	1	1	1	1	1	1
South Carolina	32	33	34	31	30	31	31	31	30	28
South Dakota	6	6	6	6	6	6	6	6	6	6
Tennessee	7	7	7	7	6	11	12	12	12	25
Texas	154	157	158	157	155	158	157	142	138	131
Utah	6	5	5	5	5	5	6	6	6	6
Vermont	3	3	3	3	3	3	3	3	3	3
Virginia	60	59	59	58	58	58	58	56	58	52
Washington	28	27	28	29	29	29	28	28	29	28
West Virginia	16	18	18	18	19	20	20	20	20	20
Wisconsin	14	14	14	14	14	14	14	14	14	14
Wyoming	3	3	3	3	4	6	6	7	7	7
American Samoa	1	1	1	1	1	1	1	1	1	1
Guam	1	1	1	1	1	0	0	0	0	0
Puerto Rico	20	19	18	17	18	19	21	23	27	24
Virgin Islands	0	0	0	0	0	0	0	0	1	1

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

LPN/LVN Programs by Source of Funding (Table PN-3)

- Over 91 percent of the 1,254 programs were publicly supported, and about nine percent were privately financed. These percentages remain unchanged from last year.

Table PN-3

LPN/LVN PROGRAMS, BY NLN REGION AND PRIMARY SOURCE OF FINANCIAL SUPPORT: 1975 TO 1984

NLN REGION BY TYPE OF FINANCIAL SUPPORT[1]	NUMBER OF PROGRAMS									
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
All Regions	**1,315**	**1,318**	**1,319**	**1,310**	**1,298**	**1,298**	**1,309**	**1,295**	**1,297**	**1,254**
Public	1,188	1,194	1,205	1,202	1,198	1,197	1,201	1,183	1,185	1,144
Private	127	124	114	108	100	101	108	112	112	110
North Atlantic	272	268	259	248	245	239	233	231	236	234
Public	239	234	231	223	223	218	214	209	209	209
Private	33	34	28	25	22	21	19	22	27	25
Midwestern	271	271	273	274	279	281	280	287	286	281
Public	248	248	251	252	258	261	260	266	263	256
Private	23	23	22	22	21	20	20	21	23	25
Southern	555	562	572	570	566	575	585	566	563	533
Public	498	510	520	522	522	526	529	511	512	485
Private	57	52	52	48	44	49	56	55	51	48
Western	217	217	215	218	208	203	211	211	211	206
Public	203	202	203	205	195	192	198	197	200	194
Private	14	15	12	13	13	11	13	14	11	12

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Administrative Control of LPN/LVN Programs (Table PN-4)

- The breakdown of LPN/LVN programs by administrative control indicates that 51 percent are located in technical or vocational schools, 32 percent in junior colleges, almost 7 percent in both secondary schools and hospitals, and about 1 percent in government agencies, senior colleges, and independent agencies.

- The reader should note that there are significant regional differences in administrative control that influence the interpretation of data on admissions, enrollments, and graduations. As the following breakdown shows, LPN/LVN programs in the North Atlantic are more likely to be located in technical or vocational schools, whereas programs in the West are more likely to be in junior colleges.

Type of Administrative Control	NLN Region				
	North Atlantic	Midwest	South	West	All Regions
Technical or vocational school	67.1%	54.1%	53.1%	25.2%	51.3%
Junior or community college	9.4	37.4	26.5	64.1	31.9
Secondary school	12.4	2.8	6.4	5.8	6.6
Hospital	8.6	3.6	10.1	0.5	6.8
Government agency	1.7	0.4	1.7	1.9	1.4
Senior college or university	0.0	1.4	1.1	1.9	1.1
Independent agency	0.8	0.4	1.1	0.5	0.8

Table PN-4

LPN/LVN PROGRAMS, BY NLN REGION AND TYPE OF ADMINISTRATIVE CONTROL: 1975 TO 1984

NLN REGION BY TYPE OF ADMINISTRATIVE CONTROL[1]	NUMBER OF PROGRAMS									
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
All Regions	**1,315**	**1,318**	**1,319**	**1,310**	**1,298**	**1,299**	**1,309**	**1,295**	**1,297**	**1,254**
Technical or vocational school	673	683	692	695	693	677	681	673	679	644
Junior or community college	353	361	374	375	381	402	404	398	404	400
Secondary school	90	86	86	76	72	66	67	73	69	83
Hospital	145	136	122	114	101	106	108	108	97	85
Government agency	32	27	22	21	22	19	19	17	17	18
Senior college or university	16	17	16	22	22	23	24	19	20	14
Independent agency	6	8	7	7	7	6	6	7	11	10
North Atlantic	272	268	259	248	245	239	233	231	236	234
Technical or vocational school	170	171	170	169	170	167	162	156	157	157
Junior or community college	18	18	19	19	20	19	21	22	22	22
Secondary school	39	35	34	25	24	24	22	27	29	29
Hospital	38	37	31	28	23	23	22	21	21	20
Government agency	5	4	2	2	3	3	2	3	3	4
Senior college or university	1	1	1	3	3	2	2	0	1	0
Independent agency	1	2	2	2	2	1	2	2	3	2
Midwestern	271	271	273	274	279	281	280	287	286	281
Technical or vocational school	146	144	145	144	149	152	151	153	152	152
Junior or community college	95	98	100	100	101	103	104	105	109	105
Secondary school	8	7	8	8	8	8	8	9	7	8
Hospital	15	15	14	14	13	11	11	14	10	10
Government agency	1	1	1	2	2	0	0	0	0	1
Senior college or university	4	4	3	4	4	5	5	5	5	4
Independent agency	2	2	2	2	2	2	1	1	3	1
Southern	555	562	572	570	566	575	585	566	564	533
Technical or vocational school	303	314	323	326	323	311	313	308	315	283
Junior or community college	106	110	117	119	124	145	149	140	142	141
Secondary school	39	38	39	36	34	28	29	27	24	34
Hospital	85	78	74	69	64	71	73	71	65	54
Government agency	19	16	13	11	12	12	13	10	10	9
Senior college or university	2	5	5	8	8	7	6	7	5	6
Independent agency	1	1	1	1	1	1	2	3	3	6
Western	217	217	215	218	208	204	211	211	211	206
Technical or vocational school	54	54	54	56	51	47	55	56	55	52
Junior or community college	134	135	138	137	136	135	130	131	131	132
Secondary school	4	6	5	7	6	6	8	10	9	12
Hospital	7	6	3	3	1	1	2	2	1	1
Government agency	7	6	6	6	5	4	4	4	4	4
Senior college or university	9	7	7	7	7	9	11	7	9	4
Independent agency	2	3	2	2	2	2	1	1	2	1

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

ADMISSIONS

Annual Admissions to LPN/LVN Programs (Tables PN-5 to PN-8)

- Total admissions to LPN/LVN programs dropped 5.8 percent from 1982-83 to 1983-84. This is the first drop in admissions since 1980-81. The total of 57,865 admissions for 1983-84 brings the level of admissions down to that of 1978-79 (Table PN-5).

- The number of admissions in 1983-84 represented a net loss over the previous year of more than 3,000 students. All regions showed decreases in annual admissions: the North Atlantic and West reported decreases of 4 percent each, the South reported a 5 percent decline, and the Midwest registered a 9 percent drop (Table PN-6).

- Among the regions, the South had the highest number of admissions—24,192 or 41.8 percent of the total. Next was the Midwest, with 13,935 or 24 percent, followed by the North Atlantic with 11,920 (20.6%), and the West with 7,818 (13.5%). This regional breakdown is similar to the patterns found in previous years (Table PN-6).

- Admissions to publicly supported programs accounted for 90.8 percent of all the programs in the United States—about the same percentage as last year (Table PN-7).

- Annual admissions to technical and vocational schools accounted for 58 percent of total PN admissions, and admissions to junior or community colleges represented 27 percent of the total. Fewer admissions were found in hospital programs (7.0%), secondary schools (4.5%), government agencies (3.0%), senior colleges or universities (0.6%), and independent agencies (0.5%) (Table PN-8).

- Regional differences for annual admissions by administrative control reflect the distribution in the number of programs described in relation to Table PN-4.

Historical trends: The number of annual admissions to LPN/LVN programs peaked in 1975-76 at 61,353 and again in 1982-83 at 61,453. The percentage decrease in the ten years since 1975-76 has been 5.7 percent. The five-year trend is an increase of 1.5 percent since 1978-79.

Table PN-5
ADMISSIONS TO LPN/LVN PROGRAMS AND PERCENTAGE CHANGE FROM PREVIOUS YEAR: 1964-65 TO 1983-84

YEAR[1]	ADMISSIONS TO LPN/LVN PROGRAMS	
	Number[2]	Percent Change
1964-65	36,051	+7.1
1965-66	38,287	+6.2
1966-67	40,749	+6.4
1967-68	44,541	+9.3
1968-69	48,379	+8.6
1969-70	54,934	+13.5
1970-71	59,128	+7.6
1971-72	60,593	+2.5
1972-73	59,379	−2.0
1973-74	59,190	−0.3
1974-75	60,322	+1.9
1975-76	61,353	+1.7
1976-77	60,166	−1.9
1977-78	60,610	+0.7
1978-79	57,081	−5.8
1979-80	56,316	−1.3
1980-81	58,479	+3.8
1981-82	60,426	+3.3
1982-83	61,453	+1.7
1983-84	57,865	−5.8

[1] Time period is September 1 through August 31 for academic years 1963-64 through 1969-70, and August 1 through July 31 for subsequent years.

[2] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table PN-6

ANNUAL ADMISSIONS TO LPN/LVN PROGRAMS, BY NLN REGION AND STATE: 1974-75 TO 1983-84

NLN REGION AND STATE	NUMBER OF ADMISSIONS									
	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84
United States[1]	**60,322**	**61,353**	**60,166**	**60,610**	**57,081**	**56,316**	**58,479**	**60,426**	**61,453**	**57,865**
North Atlantic	13,844	13,696	13,426	12,808	11,708	11,358	11,207	11,921	12,434	11,920
Midwest	15,420	15,969	15,563	15,443	14,969	14,877	15,316	15,439	15,362	13,935
South	22,477	23,171	22,417	23,370	22,451	22,873	24,262	24,684	25,508	24,192
West	8,541	8,517	8,760	8,989	7,953	7,208	7,694	8,382	8,149	7,818
Alabama	1,321	1,396	1,436	1,641	1,745	1,794	1,816	1,784	2,078	1,782
Alaska	24	35	46	35	24	24	31	56	24	23
Arizona	475	485	476	589	491	428	326	302	424	378
Arkansas	744	1,139	1,120	1,347	968	1,111	1,170	1,321	1,331	1,198
California	4,609	4,506	4,520	4,582	4,363	3,977	4,359	4,875	4,471	4,094
Colorado	658	777	638	762	573	514	533	583	628	574
Connecticut	675	643	609	506	455	374	393	437	420	402
Delaware	164	111	179	170	155	122	161	254	193	180
District of Columbia	286	216	174	190	173	138	118	124	144	122
Florida	2,534	2,312	2,381	2,505	2,569	2,545	2,665	2,842	2,713	2,759
Georgia	2,020	2,030	2,065	2,052	1,976	1,991	2,094	2,083	2,066	1,977
Hawaii	106	114	153	165	138	144	147	118	122	96
Idaho	219	214	198	196	187	188	183	185	182	181
Illinois	2,604	2,790	2,620	2,764	2,760	2,789	2,791	2,979	2,780	2,481
Indiana	1,163	1,172	1,072	1,056	1,013	986	1,087	1,131	1,119	1,188
Iowa	962	952	1,051	1,087	1,066	901	880	788	882	741
Kansas	662	699	607	583	533	514	539	548	562	451
Kentucky	678	616	588	707	752	879	966	1,180	1,098	1,128
Louisiana	1,386	1,698	1,565	1,775	1,746	1,791	1,863	1,813	2,122	1,904
Maine	214	227	227	235	260	220	241	234	235	222
Maryland	790	742	615	660	549	614	599	659	618	579
Massachusetts	1,486	1,452	1,433	1,356	1,304	1,242	1,181	1,157	1,206	995
Michigan	2,231	2,360	2,260	2,203	2,082	2,122	2,045	1,698	1,749	1,674
Minnesota	1,333	1,443	1,400	1,419	1,411	1,528	1,578	1,614	1,573	1,556
Mississippi	884	1,033	953	1,033	908	1,005	1,115	964	912	796
Missouri	1,264	1,295	1,312	1,268	1,281	1,160	1,348	1,293	1,312	1,222
Montana	268	317	335	286	254	242	233	262	240	246
Nebraska	609	592	573	525	508	461	551	636	636	558
Nevada	89	98	133	126	108	72	101	83	59	75
New Hampshire	165	173	145	203	169	192	205	239	208	148
New Jersey	1,955	1,987	2,011	1,870	1,676	1,729	1,698	1,586	1,745	1,813
New Mexico	205	242	398	406	294	163	190	199	258	274
New York	5,452	5,520	5,394	4,958	4,290	4,015	3,926	4,371	4,386	4,464
North Carolina	1,378	1,420	1,472	1,411	1,243	1,204	1,184	1,086	1,200	1,063
North Dakota	333	313	360	372	329	307	317	368	339	289
Ohio	2,745	2,805	2,761	2,585	2,483	2,675	2,761	2,906	3,056	2,630
Oklahoma	755	823	857	928	922	940	1,007	981	1,097	929
Oregon	318	227	355	360	281	209	181	165	228	136
Pennsylvania	3,058	2,997	2,883	2,996	2,943	3,062	3,048	3,270	3,561	3,358
Rhode Island	205	185	164	118	118	104	102	116	130	100
South Carolina	1,004	1,088	1,059	866	865	847	827	888	935	790
South Dakota	259	257	256	274	271	278	281	301	295	271
Tennessee	1,483	1,545	1,214	1,474	1,455	1,371	1,569	1,508	1,146	1,165
Texas	5,439	5,342	5,027	4,883	4,795	4,626	5,033	5,175	5,682	5,292
Utah	417	336	379	438	367	316	360	423	428	365
Vermont	224	185	207	206	165	160	169	177	206	163
Virginia	1,591	1,527	1,552	1,553	1,461	1,566	1,702	1,801	1,825	1,761
Washington	1,076	1,076	1,043	965	789	842	870	891	978	1,071
West Virginia	470	460	513	535	497	589	652	637	685	1,124
Wisconsin	1,255	1,291	1,291	1,307	1,232	1,156	1,156	1,221	1,059	951
Wyoming	77	90	86	79	84	89	127	114	107	126
American Samoa	17	12	19	23	25	20	19	28	18	12
Guam	—	—	58	53	35	14	—	—	—	—
Puerto Rico	1,218	907	732	900	812	1,104	1,198	1,063	1,323	1,542
Virgin Islands	—	—	—	—	—	—	—	—	—	20

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table PN-7

ANNUAL ADMISSIONS TO LPN/LVN PROGRAMS, BY NLN REGION AND PRIMARY SOURCE OF FINANCIAL SUPPORT: 1974-75 TO 1983-84

NLN REGION BY TYPE OF FINANCIAL SUPPORT [1]	NUMBER OF ANNUAL ADMISSIONS									
	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84
All Regions	**60,322**	**61,353**	**60,166**	**60,610**	**57,081**	**56,316**	**58,479**	**60,426**	**61,453**	**57,865**
Public	55,183	55,975	55,040	55,656	52,657	52,266	54,419	55,465	56,109	52,554
Private	5,139	5,378	5,126	4,954	4,424	4,050	4,060	4,961	5,344	5,311
North Atlantic	13,884	13,696	13,426	12,808	11,708	11,358	11,207	11,921	12,434	11,920
Public	12,388	11,930	11,714	11,450	10,509	10,270	10,513	10,959	11,221	10,049
Private	1,496	1,766	1,712	1,358	1,199	1,088	694	962	1,213	1,871
Midwest	15,420	15,969	15,563	15,443	14,969	14,877	15,316	15,439	15,362	13,935
Public	14,165	14,698	14,367	14,246	13,889	13,880	14,316	14,470	14,293	12,860
Private	1,255	1,271	1,196	1,197	1,080	997	1,000	969	1,069	1,075
South	22,477	23,171	22,417	23,370	22,451	22,873	24,262	24,684	25,508	24,192
Public	20,984	21,601	20,973	21,778	21,242	21,678	22,654	22,702	23,476	22,765
Private	1,493	1,570	1,444	1,592	1,209	1,195	1,608	1,982	2,032	1,427
West	8,541	8,517	8,760	8,989	7,953	7,208	7,694	8,382	8,149	7,818
Public	7,646	7,746	7,986	8,182	7,017	6,438	6,936	7,334	7,119	6,880
Private	895	771	774	807	936	770	758	1,048	1,030	938

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table PN-8

ANNUAL ADMISSIONS TO LPN/LVN PROGRAMS, BY NLN REGION AND TYPE OF ADMINISTRATIVE CONTROL: 1974-75 TO 1983-84

NLN REGION BY TYPE OF ADMINISTRATIVE CONTROL [1]	NUMBER OF ANNUAL ADMISSIONS									
	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84
All Regions	**60,322**	**61,353**	**60,166**	**60,610**	**57,061**	**56,316**	**58,479**	**60,426**	**61,453**	**57,865**
Technical or vocational school	34,525	35,039	33,948	35,235	34,130	33,635	34,544	35,837	35,713	33,471
Junior or community college	15,422	15,794	16,167	15,921	15,057	15,146	16,241	16,116	17,201	15,319
Secondary school	2,809	3,203	3,301	2,906	2,628	2,466	2,446	2,790	2,783	4,042
Hospital	4,741	4,802	4,349	3,938	3,363	3,115	3,352	3,918	3,729	2,617
Government agency	1,902	1,618	1,484	1,356	718	834	923	1,111	1,027	1,772
Senior college or university	631	534	596	916	864	834	777	481	729	359
Independent agency	292	363	321	338	301	286	196	173	271	285
North Atlantic	13,844	13,696	13,426	12,808	11,708	11,358	11,207	11,921	12,434	11,920
Technical or vocational school	9,414	9,227	9,105	8,818	8,229	8,056	7,974	8,630	8,699	7,821
Junior or community college	846	814	905	919	839	780	965	953	1,367	1,449
Secondary school	1,461	1,663	1,524	1,209	1,029	1,018	947	1,058	1,111	1,602
Hospital	1,823	1,815	1,732	1,388	1,151	1,002	940	989	1,031	814
Government agency	253	53	22	47	48	89	50	254	103	192
Senior college or university	62	66	66	361	356	351	296	0	44	0
Independent agency	25	58	72	66	56	62	35	37	79	42
Midwest	15,420	15,969	15,563	15,443	14,969	14,877	15,316	15,439	15,362	13,935
Technical or vocational school	9,055	9,246	8,773	8,936	8,875	8,938	9,301	9,095	8,902	8,074
Junior or community college	4,850	5,243	5,219	5,078	4,822	4,744	4,868	4,956	5,246	4,446
Secondary school	318	310	516	361	335	358	373	409	322	505
Hospital	826	801	758	761	664	608	597	802	701	494
Government agency	25	16	25	14	29	0	0	0	0	264
Senior college or university	142	133	63	85	70	76	101	99	110	90
Independent agency	204	220	209	208	174	153	76	78	81	62
South	22,477	23,171	22,417	23,370	22,451	22,873	24,262	24,684	25,508	24,192
Technical or vocational school	13,258	13,850	13,320	14,429	14,251	14,155	14,348	14,786	15,067	14,751
Junior or community college	5,018	5,127	5,050	5,242	5,007	5,629	6,333	5,950	6,403	5,626
Secondary school	967	1,036	1,085	965	912	815	860	929	937	1,170
Hospital	1,938	2,006	1,738	1,711	1,511	1,501	1,815	2,075	1,979	1,286
Government agency	1,063	933	919	735	460	515	661	623	611	1,002
Senior college or university	216	202	287	270	292	239	198	263	440	219
Independent agency	17	17	18	18	18	19	47	58	71	138
West	8,541	8,517	8,760	8,989	7,953	7,208	7,694	8,382	8,149	7,818
Technical or vocational school	2,798	2,716	2,750	3,052	2,775	2,486	2,921	3,326	3,045	2,825
Junior or community college	4,708	4,610	4,993	4,682	4,389	3,993	4,075	4,257	4,185	3,798
Secondary school	63	194	176	371	352	275	266	394	413	765
Hospital	154	180	121	78	57	4	0	52	18	23
Government agency	561	616	518	560	181	230	212	234	313	314
Senior college or university	211	133	180	200	146	168	182	119	135	50
Independent agency	46	68	22	46	53	52	38	0	40	43

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands

Fall Admissions to LPN/LVN Programs (Tables PN-9 to PN-12)

- Fall admissions (defined as admissions from August through December) typically constitute over 60 percent of annual admissions, and are therefore an important gauge for estimating annual admissions.

- In 1984, fall admissions dropped for the second year in a row, resulting in a more than 16 percent decrease since 1982 (Table PN-9).

- A look at regional differences concerning fall admissions indicates that the South leads with 39.7 percent of the total. The North Atlantic and Midwest regions follow with 24.3 percent and 23.7 percent respectively. The West lags behind with 12.3 percent of the total fall admissions to LPN/LVN programs (Table PN-10).

- The overwhelming majority of fall admissions are found in publicly funded programs (91%). Regional differences in source of financial support are minor (Table PN-11).

- The pattern of fall admissions by administrative control is, as one would expect, similar to that of annual admissions. Fall admissions to technical or vocational schools represent 57.8 percent of the total. Junior or community colleges follow with 26.5 percent of the total fall admissions. Smaller percentages are found in hospital programs (7.0%), secondary schools (4.5%), senior colleges (3.0%), government agencies (0.6%), and independent agencies (0.5%) (Table PN-12).

Historical trends: Fall admissions to LPN/LVN programs peaked in 1974 and again in 1982. Since the last peak in 1982, fall admissions have plunged over 15 percent. The 1984 figure of 33,351 fall admissions is the lowest since 1970.

Table PN-9
FALL ADMISSIONS TO LPN/LVN PROGRAMS WITH PERCENTAGE CHANGE FROM PREVIOUS YEAR: 1970 TO 1984

YEAR[1]	FALL ADMISSIONS	
	Number[2]	Percent Change
1970	29,511	+0.3
1971	37,911	+28.5
1972	37,480	−1.1
1973	37,952	+1.3
1974	39,425	+3.9
1975	39,421	−0.0
1976	39,163	−0.6
1977	38,943	−0.6
1978	36,589	−6.0
1979	36,177	−1.1
1980	37,044	+2.4
1981	38,236	+3.2
1982	39,560	+3.4
1983	37,788	−4.5
1984	33,351	−11.7

[1] Time period is September 1 through December 31 for fall terms of 1969 and 1970, and August 1 through December 31 for subsequent fall terms.

[2] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table PN-10
FALL ADMISSIONS TO LPN/LVN PROGRAMS, BY NLN REGION AND STATE: 1975 TO 1984

NLN REGION AND STATE	NUMBER OF FALL ADMISSIONS									
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
United States[1]	**39,421**	**39,163**	**38,943**	**36,589**	**36,177**	**37,044**	**38,236**	**39,560**	**37,788**	**33,351**
North Atlantic	10,324	10,238	9,909	8,842	8,552	8,382	8,717	9,122	8,868	8,111
Midwest	10,651	10,530	10,116	10,229	10,043	10,223	10,191	10,203	9,667	7,895
South	13,438	13,508	13,671	12,703	13,302	14,242	14,853	15,756	14,815	13,253
West	5,008	4,887	5,247	4,815	4,280	4,197	4,475	4,477	4,438	4,092
Alabama	727	722	896	911	891	962	952	1,157	1,046	837
Alaska	32	46	33	23	24	22	32	7	23	9
Arizona	344	330	354	363	362	246	162	175	210	181
Arkansas	747	708	699	324	624	739	921	931	883	610
California	2,317	2,248	2,346	2,234	1,978	2,140	2,207	2,201	2,052	1,820
Colorado	452	372	520	364	330	343	404	381	401	286
Connecticut	453	442	408	406	339	359	406	399	0	40
Delaware	146	129	148	125	110	110	163	126	131	98
District of Columbia	150	101	155	173	213	88	111	120	99	101
Florida	1,011	1,075	1,111	1,079	1,028	1,103	1,119	1,237	1,183	1,191
Georgia	1,121	1,153	1,106	1,012	1,064	1,132	1,188	1,115	1,057	1,066
Hawaii	118	115	120	112	99	98	84	93	98	101
Idaho	162	136	137	156	137	134	141	143	121	92
Illinois	2,048	2,091	1,813	1,890	1,952	2,108	2,073	1,969	1,825	1,472
Indiana	683	688	660	625	591	699	706	698	757	704
Iowa	728	716	695	706	653	530	505	469	498	441
Kansas	398	309	333	318	329	271	308	358	338	264
Kentucky	273	319	427	389	423	617	729	732	705	477
Louisiana	697	609	811	670	778	714	821	893	768	743
Maine	160	159	156	153	176	190	185	185	185	173
Maryland	577	549	567	480	500	516	544	522	484	417
Massachusetts	1,256	1,246	1,233	1,168	1,127	1,180	1,112	1,154	1,046	870
Michigan	1,476	1,334	1,370	1,290	1,328	1,273	1,098	1,221	1,013	911
Minnesota	1,143	1,103	1,094	1,213	1,245	1,224	1,252	1,185	1,093	949
Mississippi	569	493	479	466	488	583	582	616	472	507
Missouri	976	1,048	993	1,051	944	1,023	1,015	1,070	991	895
Montana	161	208	188	186	177	134	146	141	181	113
Nebraska	308	319	319	282	264	285	315	323	323	234
Nevada	53	93	127	83	74	87	81	69	60	62
New Hampshire	146	144	188	146	175	157	175	157	94	99
New Jersey	1,341	1,405	1,305	1,127	1,129	1,164	1,066	1,159	1,187	1,242
New Mexico	238	234	350	348	230	173	148	140	159	198
New York	4,803	4,683	4,491	3,759	3,484	3,384	3,720	3,952	4,039	3,662
North Carolina	1,175	1,191	1,139	1,063	940	850	904	878	881	705
North Dakota	170	175	192	172	184	188	229	202	218	143
Ohio	1,795	1,825	1,754	1,745	1,657	1,769	1,814	1,897	1,816	1,366
Oklahoma	537	578	590	607	606	729	674	736	699	637
Oregon	194	191	123	172	202	89	87	137	168	136
Pennsylvania	1,626	1,666	1,615	1,584	1,610	1,569	1,619	1,693	1,873	1,703
Rhode Island	185	165	118	116	100	100	116	130	100	102
South Carolina	732	768	727	705	711	699	736	760	758	619
South Dakota	186	190	187	229	237	239	245	239	232	161
Tennessee	584	560	526	536	676	533	643	555	535	592
Texas	2,945	3,034	2,862	2,836	2,786	3,180	3,105	3,559	3,296	3,056
Utah	189	227	235	152	51	54	123	165	165	153
Vermont	58	98	92	85	89	81	92	95	114	66
Virginia	1,283	1,303	1,287	1,219	1,377	1,452	1,542	1,623	1,525	1,474
Washington	660	598	639	558	546	563	644	585	686	730
West Virginia	460	446	444	406	410	433	418	470	523	361
Wisconsin	740	732	709	708	659	614	657	608	563	391
Wyoming	88	89	75	64	70	114	117	110	114	91
American Samoa	17	19	22	25	20	19	20	17	17	17
Guam	—	—	38	20	14	—	—	—	—	—
Puerto Rico	340	412	495	323	475	464	367	625	801	699
Virgin Islands	—	—	—	—	—	—	—	—	19	20

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table PN-11

FALL ADMISSIONS TO LPN/LVN PROGRAMS, BY NLN REGION AND PRIMARY SOURCE OF FINANCIAL SUPPORT: 1975 TO 1984

NLN REGION BY TYPE OF FINANCIAL SUPPORT [1]	NUMBER OF FALL ADMISSONS									
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
All Regions	**39,421**	**39,163**	**38,943**	**36,589**	**36,177**	**37,044**	**38,236**	**39,560**	**37,788**	**33,351**
Public	36,000	35,665	35,683	33,549	33,349	34,301	35,175	36,346	34,573	30,550
Private	3,421	3,498	3,260	3,040	2,828	2,743	3,061	3,214	3,215	2,801
North Atlantic	10,324	10,238	9,909	8,842	8,552	8,382	8,717	9,122	8,868	8,111
Public	9,041	8,835	8,743	7,908	7,705	7,682	7,948	8,211	7,873	6,821
Private	1,283	1,403	1,166	934	847	700	769	911	995	1,290
Midwest	10,651	10,530	10,116	10,229	10,043	10,223	10,191	10,203	9,667	7,895
Public	9,809	9,676	9,301	9,435	9,265	9,564	9,441	9,582	8,963	7,362
Private	842	854	815	794	778	659	750	621	704	533
South	13,438	13,508	13,671	12,703	13,302	14,242	14,853	15,758	14,815	13,253
Public	12,546	12,582	12,739	11,842	12,505	13,256	13,678	14,578	13,652	12,594
Private	892	926	932	861	797	986	1,175	1,180	1,163	659
West	5,008	4,887	5,247	4,815	4,280	4,197	4,475	4,477	4,438	4,029
Public	4,604	4,572	4,900	4,364	3,874	3,799	4,108	3,975	4,085	3,773
Private	404	315	347	451	406	398	367	502	353	319

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands

Table PN-12

FALL ADMISSIONS TO LPN/LVN PROGRAMS, BY NLN REGION AND TYPE OF ADMINISTRATIVE CONTROL: 1975 TO 1984

NLN REGION BY TYPE OF ADMINISTRATIVE CONTROL [1]	NUMBER OF FALL ADMISSIONS									
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
All Regions	**39,421**	**39,163**	**38,943**	**36,589**	**36,177**	**37,044**	**38,236**	**39,560**	**37,788**	**33,351**
Technical or vocational school	21,951	21,705	21,710	20,608	21,007	21,451	22,064	22,985	21,437	18,341
Junior or community college	10,184	10,176	10,370	10,002	9,503	10,148	10,427	10,566	10,815	9,820
Secondary school	2,619	2,701	2,660	2,354	2,209	2,123	2,002	2,252	2,178	2,491
Hospital	3,370	3,316	2,921	2,502	2,315	2,422	2,643	2,906	2,328	1,501
Government agency	695	614	558	243	375	273	476	290	315	786
Senior college or university	453	465	500	665	589	539	526	395	540	248
Independent agency	149	186	224	215	179	88	98	166	175	164
North Atlantic	10,324	10,238	9,909	8,842	8,552	8,382	8,717	9,122	8,868	8,111
Technical or vocational school	6,494	6,549	6,630	5,881	5,844	5,718	5,987	6,116	5,681	5,041
Junior or community college	672	620	636	676	618	689	667	908	1,096	1,165
Secondary school	1,466	1,440	1,275	1,001	913	952	879	1,067	1,109	1,082
Hospital	1,543	1,494	1,231	1,006	845	827	904	951	826	686
Government agency	63	12	0	0	54	46	93	35	40	102
Senior college or university	67	66	70	222	216	146	150	0	36	0
Independent agency	19	57	67	56	62	24	37	45	80	35
Midwest	10,651	10,530	10,116	10,229	10,043	10,223	10,191	10,203	9,667	7,895
Technical or vocational college	5,837	5,829	5,336	5,716	5,676	6,147	6,047	5,839	5,508	4,406
Junior or community college	3,784	3,749	3,704	3,523	3,381	3,227	3,311	3,368	3,365	2,815
Secondary school	268	202	356	280	282	279	218	275	190	232
Hospital	543	568	536	508	505	426	473	586	480	255
Government agency	8	12	5	29	30	0	0	0	0	88
Senior college or university	103	63	68	68	70	103	100	95	85	83
Independent agency	108	107	111	105	99	41	42	40	39	16
South	13,438	13,508	13,671	12,703	13,302	14,242	14,853	15,758	14,815	13,253
Technical or vocational school	8,014	7,853	8,278	7,579	8,211	8,271	8,579	9,320	8,736	7,619
Junior or community college	2,879	2,962	2,860	2,967	2,945	3,836	3,888	3,957	3,786	3,451
Secondary school	832	885	869	771	741	613	709	689	728	884
Hospital	1,167	1,154	1,113	948	965	1,169	1,227	1,325	1,004	521
Government agency	419	445	336	214	251	177	295	225	193	525
Senior college or university	127	209	215	224	189	176	136	201	312	140
Independent agency	0	0	0	0	0	0	19	41	56	113
West	5,008	4,687	5,247	4,815	4,280	4,197	4,475	4,477	4,438	4,029
Technical or vocational school	1,606	1,474	1,466	1,432	1,276	1,315	1,451	1,710	1,512	1,275
Junior or community college	2,849	2,845	3,170	2,836	2,559	2,416	2,561	2,333	2,568	2,389
Secondary school	53	174	160	302	273	279	196	221	151	293
Hospital	117	100	41	40	0	0	39	44	18	39
Government agency	205	145	217	0	40	50	88	30	82	71
Senior college or university	156	127	147	151	114	114	140	99	107	25
Independent agency	22	22	46	54	18	23	0	40	0	0

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands

ENROLLMENTS

Enrollments in LPN/LVN Programs (Tables PN-13 to PN-16)

- Enrollments in LPN/LVN programs dropped almost 12 percent in 1984. This decrease follows on the heels of a 3.3 percent drop in 1983 (Table PN-13).

- The Southern region reported 39.7 percent of the total enrollments in LPN/LVN programs in the United States. The Midwest reported 3.1 percent; the North Atlantic, 2.9 percent; and the West, 14.3 percent (Table PN-14).

- Almost 92 percent of the total enrollments are located in publicly supported programs (Table PN-15).

- The distribution of total enrollments among programs under the various types of administrative control mirrors the pattern reported for fall admissions in general. Technical or vocational schools account for 55.8 percent of total enrollments, junior or community colleges for 27.8 percent, secondary schools for 7.7 percent, hospitals for 4.1 percent, government agencies for 3.4 percent, senior colleges for 0.7 percent, and independent agencies for 0.5 percent. Examining regional differences, the West has the greatest number of enrollments in junior or community colleges (Table PN-16).

Historical trends: Enrollments in LPN/LVN programs peaked in 1974 at 57,902 and again in 1982 at 57,367. The percentage decline over the past decade has been 15.6 percent. The five-year trend indicates a 6.4 percent drop since 1979.

Table PN-13
ENROLLMENTS IN LPN/LVN PROGRAMS
WITH PERCENTAGE CHANGE FROM PREVIOUS YEAR: 1965 TO 1984

YEAR	ENROLLMENTS	
	Number[1]	Percent Change
1965	33,343	+2.2
1966	36,269	+8.8
1967	40,624	+12.0
1968	43,698	+7.6
1969	47,636	+9.0
1970	52,526	+10.3
1971	57,114	+8.7
1972	57,287	+0.3
1973	56,267	−1.8
1974	57,902	+2.9
1975	58,460	+1.0
1976	58,423	−0.1
1977	56,943	−2.5
1978	54,543	−4.2
1979	52,202	−4.3
1980	52,565	+0.7
1981	55,024	+4.7
1982	57,367	+4.2
1983	55,446	−3.4
1984	48,840	−11.9

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table PN-14
ENROLLMENTS IN LPN/LVN PROGRAMS, BY NLN REGION AND STATE: 1975-1984

NLN REGION AND STATE	NUMBER OF ENROLLMENTS									
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
United States[1]	**58,460**	**58,423**	**56,943**	**54,543**	**52,202**	**52,565**	**55,024**	**57,367**	**55,946**	**48,840**
North Atlantic	14,995	14,834	13,924	12,666	11,686	11,339	11,867	12,331	12,383	11,177
Midwest	14,539	14,558	14,165	13,729	13,444	13,439	14,098	14,086	13,711	11,279
South	21,133	21,179	20,685	20,210	19,743	20,753	21,664	23,000	22,015	19,393
West	7,793	7,852	8,169	7,938	7,329	7,034	7,395	7,950	7,837	6,991
Alabama	1,214	1,254	1,371	1,373	1,393	1,444	1,493	1,636	1,641	1,178
Alaska	29	42	33	23	24	20	23	22	22	7
Arizona	437	455	421	488	368	331	325	319	255	301
Arkansas	929	905	895	849	937	988	1,107	1,187	1,154	762
California	4,335	4,420	4,583	4,449	4,420	4,226	4,329	4,841	4,137	3,861
Colorado	577	607	663	555	458	424	514	533	565	397
Connecticut	593	578	498	485	369	383	409	422	332	328
Delaware	185	158	186	164	163	146	228	272	270	210
District of Columbia	244	227	202	203	184	94	120	119	118	113
Florida	2,213	2,079	2,164	2,135	2,124	2,192	2,398	2,427	2,465	2,266
Georgia	1,689	1,611	1,602	1,664	1,736	1,714	1,662	1,704	1,719	1,519
Hawaii	121	108	112	135	106	137	109	120	117	93
Idaho	201	180	186	197	158	154	166	164	174	128
Illinois	2,621	2,669	2,554	2,548	2,523	2,531	2,734	2,738	2,471	2,059
Indiana	1,079	1,058	975	934	911	953	1,030	1,021	1,068	944
Iowa	918	919	931	979	939	754	728	674	849	589
Kansas	619	559	556	518	487	435	484	528	467	395
Kentucky	610	637	609	638	633	769	979	1,005	803	748
Louisiana	1,367	1,414	1,451	1,428	1,334	1,347	1,547	1,577	1,523	1,419
Maine	201	217	214	211	247	214	220	222	211	192
Maryland	886	775	810	703	687	697	714	639	670	596
Massachusetts	1,446	1,391	1,309	1,289	1,220	1,241	1,122	1,141	1,055	881
Michigan	2,182	2,139	2,062	1,898	1,869	1,803	1,707	1,651	1,481	1,501
Minnesota	1,132	1,217	1,229	1,300	1,343	1,401	1,427	1,361	1,302	1,078
Mississippi	874	818	813	859	800	876	933	820	716	741
Missouri	1,226	1,197	1,226	1,106	1,104	1,214	1,275	1,254	1,219	1,156
Montana	228	256	223	186	188	170	212	199	196	178
Nebraska	549	524	489	437	435	415	493	545	533	415
Nevada	89	88	127	118	98	86	97	68	49	62
New Hampshire	169	167	186	184	160	181	212	235	203	134
New Jersey	2,032	2,006	1,866	1,628	1,598	1,537	1,503	1,552	1,586	1,831
New Mexico	231	225	338	349	239	190	142	180	275	263
New York	7,086	6,977	6,487	5,531	4,825	4,603	4,895	5,079	5,132	4,407
North Carolina	1,312	1,341	1,294	1,208	1,039	1,069	1,128	1,103	1,078	860
North Dakota	224	274	215	202	265	242	303	263	327	206
Ohio	2,576	2,583	2,501	2,398	2,165	2,450	2,644	2,785	2,824	2,155
Oklahoma	786	828	785	867	867	937	906	981	994	808
Oregon	288	268	244	264	254	195	155	183	206	180
Pennsylvania	2,654	2,740	2,679	2,679	2,686	2,717	2,948	3,038	3,206	2,898
Rhode Island	185	162	117	114	95	94	113	125	96	96
South Carolina	1,150	1,077	1,032	891	887	869	926	964	961	710
South Dakota	253	258	243	288	255	278	265	281	282	193
Tennessee	1,074	1,371	1,179	1,048	988	992	1,137	1,456	691	1,110
Texas	4,541	4,654	4,111	4,116	3,862	4,212	3,968	4,471	4,702	4,370
Utah	298	289	319	287	237	225	319	375	374	338
Vermont	200	211	180	178	139	129	163	170	174	162
Virginia	2,000	2,001	2,064	1,962	1,972	2,073	2,211	2,474	2,294	1,981
Washington	877	831	851	823	706	752	774	718	859	856
West Virginia	488	414	505	469	484	574	566	589	604	408
Wisconsin	1,160	1,161	1,184	1,121	1,148	963	1,049	1,034	888	657
Wyoming	82	83	69	64	73	124	112	102	108	100
American Samoa	17	19	33	34	30	29	30	25	24	17
Guam	—	—	104	47	41	—	—	—	—	—
Puerto Rico	976	928	923	996	968	1,280	1,308	1,355	1,522	1,661
Virgin Islands	—	—	—	—	—	—	—	—	19	20

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table PN-15

ENROLLMENTS IN LPN/LVN PROGRAMS, BY NLN REGION AND PRIMARY SOURCE OF FINANCIAL SUPPORT: 1975 TO 1984

NLN REGION BY TYPE OF FINANCIAL SUPPORT [1]	NUMBER OF ENROLLMENTS									
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
All Regions	**58,460**	**58,423**	**56,943**	**54,543**	**52,202**	**52,565**	**55,024**	**57,367**	**55,446**	**48,840**
Public	53,741	53,534	52,452	50,340	48,515	48,986	51,163	52,886	51,103	44,778
Private	4,719	4,889	4,491	4,203	3,687	3,579	3,861	4,481	4,343	4,062
North Atlantic	14,995	14,834	13,924	12,666	11,686	11,339	11,867	12,331	12,383	11,177
Public	13,595	13,213	12,549	11,559	10,684	10,477	11,048	11,342	11,280	9,640
Private	1,400	1,621	1,375	1,107	1,002	862	819	989	1,103	1,537
Midwest	14,539	14,558	14,165	13,729	13,444	13,439	14,098	14,086	13,711	11,279
Public	13,362	13,345	13,029	12,619	12,467	12,586	13,132	13,234	12,758	10,508
Private	1,177	1,213	1,136	1,110	977	853	966	852	953	771
South	21,133	21,179	20,685	20,210	19,743	20,753	21,664	23,000	22,015	19,393
Public	19,776	19,818	19,375	18,959	18,705	19,607	20,273	21,317	20,414	18,368
Private	1,357	1,361	1,310	1,251	1,038	1,146	1,391	1,683	1,601	1,025
West	7,793	7,852	8,169	7,938	7,329	7,034	7,395	7,950	7,337	6,991
Public	7,008	7,158	7,499	7,203	6,659	6,316	6,710	6,993	6,651	6,262
Private	785	694	670	735	670	718	685	957	686	729

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table PN-16

ENROLLMENTS IN LPN/LVN PROGRAMS, BY NLN REGION AND ADMINISTRATIVE CONTROL: 1975 TO 1984

NLN REGION BY TYPE OF ADMINISTRATIVE CONTROL [1]	NUMBER OF ENROLLMENTS									
	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
All Regions	**58,460**	**58,423**	**56,943**	**54,543**	**52,202**	**52,565**	**55,024**	**57,367**	**55,446**	**48,840**
Technical or vocational school	33,532	33,322	32,672	31,481	30,740	30,892	32,729	33,774	31,876	27,254
Junior or community college	14,653	14,805	14,733	14,224	13,765	14,294	14,569	15,048	15,376	13,574
Secondary school	3,717	4,124	4,065	3,567	3,159	3,004	3,096	3,533	3,298	3,771
Hospital	4,398	4,296	3,708	3,293	2,810	2,905	3,098	3,599	3,025	1,991
Government agency	1,315	1,001	885	903	727	584	714	784	982	1,669
Senior college or university	572	532	550	797	788	719	655	430	642	342
Independent agency	273	343	330	278	284	167	163	199	269	239
North Atlantic	14,995	14,834	13,924	12,666	11,686	11,339	11,867	12,331	12,383	11,177
Technical or vocational school	10,189	9,942	9,581	8,614	8,117	7,886	8,347	8,556	8,564	7,375
Junior or community college	784	780	812	847	807	791	852	997	1,123	1,245
Secondary school	2,063	2,258	1,967	1,617	1,383	1,417	1,324	1,492	1,441	1,549
Hospital	1,726	1,694	1,409	1,174	961	940	968	1,001	887	723
Government agency	150	61	17	36	62	57	101	241	245	252
Senior college or university	65	64	69	325	294	234	239	0	35	0
Independent agency	18	55	69	53	62	24	36	44	87	33
Midwest	14,539	14,558	14,165	13,729	13,444	13,439	14,098	14,086	13,711	11,279
Technical or vocational college	8,404	8,411	8,029	8,068	7,948	8,215	8,653	8,270	7,943	6,569
Junior or community college	4,716	4,782	4,616	4,312	4,272	4,176	4,381	4,542	4,692	3,683
Secondary school	337	277	520	366	366	336	320	411	290	394
Hospital	746	783	711	692	599	526	582	712	626	324
Government agency	17	22	24	39	33	0	0	0	0	188
Senior college or university	127	88	68	65	68	102	100	93	92	88
Independent agency	192	195	197	187	158	84	62	58	68	33
South	21,133	21,179	20,685	20,210	19,743	20,753	21,664	23,000	22,015	19,393
Technical or vocational school	12,645	12,622	12,611	12,297	12,410	12,536	13,143	14,041	12,913	11,084
Junior or community college	4,550	4,604	4,360	4,486	4,188	5,182	5,250	5,272	5,539	4,860
Secondary school	1,239	1,381	1,424	1,283	1,154	997	1,147	1,146	1,142	1,229
Hospital	1,738	1,676	1,530	1,363	1,250	1,436	1,523	1,835	1,494	893
Government agency	758	621	459	517	468	368	442	421	462	981
Senior college or university	189	258	283	248	256	223	131	228	386	211
Independent agency	14	17	18	16	17	11	28	57	79	135
West	7,793	7,852	8,169	7,938	7,329	7,034	7,395	7,950	7,337	6,991
Technical or vocational school	2,294	2,347	2,451	2,502	2,265	2,275	2,586	2,907	2,456	2,226
Junior or community college	4,603	4,639	4,945	4,579	4,468	4,145	4,086	4,237	4,022	3,786
Secondary school	78	193	154	301	256	254	305	484	423	599
Hospital	188	143	58	64	0	3	25	51	18	51
Government agency	390	357	385	311	164	149	171	122	255	248
Senior college or university	191	122	130	159	129	160	185	109	128	43
Independent agency	49	51	46	22	47	48	37	40	35	38

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands

GRADUATIONS

Graduations From LPN/LVN Programs (Tables PN-17 to PN-20)

- The number of graduations from practical and vocational nursing programs dropped from 45,174 in 1982-83 to 44,054 in 1983-84. This represents a 2.5 percent decrease in one year (Table PN-17).

- The majority of graduates of LPN/LVN programs are coming from Southern schools (38.5%). The Midwestern schools reported 26.6 percent of the graduations, the North Atlantic schools 20.1 percent, and the Western schools 14.8 percent (Table PN-18).

- Graduations from publicly supported schools constitute 90.2 percent of the total (Table PN-19).

- Over half the graduations from LPN/LVN programs stem from technical or vocational schools (55%). Almost a third graduated from junior or community colleges (30.1%). Graduations from hospital programs (5.5%), secondary schools (6.0%), government agencies (2.7%), senior colleges (0.9%) and independent agencies (0.5%) account for the remaining graduates (Table PN-20).

Historical trends: The number of LPN/LVN graduates peaked in 1975-76 at 47,145. Since then, the number of graduations has dropped 6.6 percent. Graduations declined 2.1 percent over the past decade and less than 0.5 percent in the past five years.

Table PN-17

GRADUATIONS FROM LPN/LVN PROGRAMS WITH PERCENTAGE CHANGE FROM PREVIOUS YEAR: 1964-65 TO 1983-84

YEAR[1]	GRADUATIONS [2]		YEAR[1]	GRADUATIONS [2]	
	Number	Percent Change		Number	Percent Change
1964-65	24,004	+ 6.6	1974-75	45,375	+0.8
1965-66	25,326	+ 5.5	1975-76	47,145	+3.9
1966-67	27,342	+ 8.0	1976-77	46,614	−1.1
1967-68	30,294	+10.8	1977-78	45,350	−2.7
1968-69	34,344	+13.4	1978-79	44,235	−2.5
1969-70	36,456	+ 6.1	1979-80	41,892	−5.3
1970-71	37,954	+ 4.1	1980-81	41,002	−2.1
1971-72	43,673	+15.1	1981-82	43,299	+5.6
1972-73	45,565	+ 4.3	1982-83	45,174	+4.3
1973-74	45,002	− 1.2	1983-84	44,654	−2.5

[1] Time period is September 1 through August 31 for academic years 1964-65 through 1981-82, and August 1 through July 31 for subsequent years.
[2] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table PN-18

GRADUATIONS FROM LPN/LVN PROGRAMS, BY NLN REGION AND STATE: 1974-75 TO 1983-84

NLN REGION AND STATE	NUMBER OF GRADUATIONS									
	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84
United States[1]	**45,375**	**47,145**	**46,614**	**45,350**	**44,235**	**41,892**	**41,002**	**43,299**	**45,174**	**44,054**
North Atlantic	10,481	10,619	10,371	9,960	9,298	8,616	7,952	8,291	8,782	8,858
Midwest	12,874	12,790	12,739	12,507	12,352	11,522	11,557	11,983	12,565	11,715
South	15,416	16,678	16,578	16,212	15,789	15,629	15,486	16,497	17,083	16,978
West	6,604	7,058	6,926	6,671	6,796	6,125	6,007	6,528	6,744	6,503
Alabama	860	933	1,086	959	1,097	1,138	1,105	1,216	1,226	1,392
Alaska	21	18	17	31	19	16	15	8	12	15
Arizona	436	349	445	415	453	367	329	389	384	400
Arkansas	630	815	903	824	783	825	954	908	1,181	947
California	3,364	3,474	3,423	3,276	3,371	3,095	2,944	3,189	3,489	2,999
Colorado	482	717	580	665	531	459	480	497	511	526
Connecticut	531	537	524	463	388	343	279	228	229	296
Delaware	102	113	113	153	72	78	50	91	82	89
District of Columbia	101	155	95	85	108	70	65	81	71	59
Florida	1,686	2,076	946	1,978	1,797	1,819	1,828	1,927	2,148	2,250
Georgia	1,468	1,507	1,399	1,378	1,422	1,416	1,270	1,267	1,461	1,301
Hawaii	70	102	105	116	119	100	124	116	128	114
Idaho	197	190	189	172	196	179	136	150	138	149
Illinois	1,972	2,009	2,006	2,223	2,151	2,086	2,120	2,125	2,259	1,913
Indiana	989	1,078	871	958	841	727	768	855	857	893
Iowa	933	816	870	808	917	877	722	754	809	710
Kansas	590	625	550	568	556	548	573	570	716	681
Kentucky	520	477	539	439	435	547	595	803	708	722
Louisiana	864	892	1,070	962	1,002	1,008	943	976	1,109	1,035
Maine	198	175	197	194	189	201	213	185	247	266
Maryland	531	556	484	498	376	357	367	379	387	429
Massachusetts	1,237	1,245	1,143	1,129	1,078	1,029	980	1,184	913	837
Michigan	1,888	1,956	1,977	1,664	1,698	1,577	1,524	1,613	1,468	1,348
Minnesota	1,223	1,002	1,161	1,133	1,281	1,205	1,204	1,135	1,118	1,058
Mississippi	709	733	626	700	688	618	694	708	657	588
Missouri	1,070	1,014	1,077	1,085	1,001	931	903	1,068	1,073	1,096
Montana	146	218	190	185	165	168	133	129	132	155
Nebraska	493	498	439	432	364	365	338	381	468	446
Nevada	109	87	81	70	91	83	72	86	67	57
New Hampshire	121	146	130	142	155	114	146	143	200	209
New Jersey	1,442	1,438	1,512	1,490	1,361	1,257	1,138	1,190	1,171	1,132
New Mexico	274	240	296	281	314	230	278	296	294	274
New York	3,768	3,921	3,791	3,591	3,092	2,735	2,565	2,498	2,924	2,933
North Carolina	963	1,038	1,063	1,064	1,010	878	870	873	929	788
North Dakota	273	263	268	305	278	238	243	249	282	256
Ohio	2,188	2,258	2,156	2,081	2,097	1,861	2,036	2,176	2,333	2,380
Oklahoma	630	618	656	703	739	736	774	704	721	720
Oregon	298	369	403	362	345	356	365	375	358	319
Pennsylvania	2,567	2,541	2,525	2,435	2,590	2,564	2,338	2,479	2,705	2,855
Rhode Island	225	162	187	108	95	86	72	99	111	87
South Carolina	553	571	622	624	478	448	508	542	515	576
South Dakota	218	221	231	234	207	208	229	215	245	231
Tennessee	1,034	1,189	1,023	953	899	1,046	974	1,355	936	821
Texas	3,538	3,778	3,751	3,715	3,607	3,441	3,136	3,221	3,410	3,885
Utah	205	271	197	230	249	261	246	267	339	311
Vermont	207	186	154	170	170	139	123	131	129	128
Virginia	999	1,074	1,043	982	1,016	923	993	1,114	1,149	1,083
Washington	937	959	937	810	879	753	788	874	806	953
West Virginia	431	421	367	433	440	429	475	514	546	497
Wisconsin	1,037	1,050	1,133	1,016	961	899	897	880	917	752
Wyoming	65	64	63	58	64	58	80	86	86	93
American Samoa	17	12	10	0	9	10	10	8	0	12
Guam	20	19	23	41	24	16	—	—	—	—
Puerto Rico	668	905	650	600	798	618	856	897	932	1,020
Virgin Islands	—	—	—	—	—	—	—	—	—	—

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table PN-19

GRADUATIONS FROM LPN/LVN PROGRAMS, BY NLN REGION AND PRIMARY SOURCE OF FINANCIAL SUPPORT: 1974-75 TO 1983-84

NLN REGION BY TYPE OF FINANCIAL SUPPORT [1]	NUMBER OF GRADUATIONS									
	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84
All Regions	**45,375**	**47,145**	**46,614**	**45,350**	**44,235**	**41,892**	**41,002**	**43,299**	**45,174**	**44,054**
Public	41,223	42,701	42,179	41,244	40,625	38,768	38,120	40,259	41,343	39,721
Private	4,152	4,444	4,435	4,106	3,610	3,124	2,882	3,040	3,831	4,333
North Atlantic	10,481	10,619	10,371	9,960	9,298	8,616	7,952	8,291	8,782	8,858
Public	9,242	9,212	8,850	8,664	8,297	7,698	7,312	7,629	7,845	7,303
Private	1,239	1,407	1,521	1,296	1,001	918	640	662	937	1,555
Midwest	12,874	12,790	12,739	12,507	12,352	11,522	11,557	11,983	12,565	11,715
Public	11,806	11,668	11,681	11,467	11,311	10,693	10,720	11,387	11,697	10,758
Private	1,068	1,122	1,058	1,040	1,041	829	837	596	868	957
South	15,416	16,678	16,578	16,212	15,789	15,629	15,486	16,497	17,083	16,978
Public	14,280	15,520	15,407	15,017	14,826	14,758	14,560	15,325	15,708	15,755
Private	1,136	1,158	1,171	1,195	963	871	926	1,172	1,375	1,223
West	6,604	7,058	6,926	6,671	6,796	6,125	6,007	6,528	6,744	6,503
Public	5,895	6,301	6,241	6,096	6,191	5,619	5,528	5,918	6,093	5,905
Private	709	757	685	575	605	506	479	610	651	598

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands

Table PN-20

GRADUATIONS FROM LPN/LVN PROGRAMS, BY NLN REGION AND TYPE OF ADMINISTRATIVE CONTROL: 1974-75 TO 1983-84

NLN REGION BY TYPE OF ADMINISTRATIVE CONTROL [1]	NUMBER OF GRADUATIONS									
	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84
All Regions	**45,375**	**47,145**	**46,614**	**45,350**	**44,235**	**41,892**	**41,002**	**43,299**	**45,174**	**44,054**
Technical or vocational school	26,167	26,546	25,812	25,407	24,971	23,901	23,297	24,786	25,302	24,089
Junior or community college	12,036	12,755	13,042	12,566	12,656	12,276	12,421	12,963	14,034	13,116
Secondary school	1,992	2,020	2,231	2,016	1,897	1,792	1,513	1,838	1,827	2,629
Hospital	3,865	3,851	3,876	3,372	2,947	2,371	2,403	2,577	2,780	2,409
Government agency	1,483	1,183	941	1,002	776	538	591	576	646	1,179
Senior college or university	521	501	441	694	728	772	640	413	484	393
Independent agency	311	289	271	293	260	242	137	146	101	239
North Atlantic	10,481	10,619	10,371	9,960	9,298	8,616	7,952	8,291	8,782	8,858
Technical or vocational school	6,582	7,117	6,805	6,569	6,277	5,887	5,530	5,812	6,092	5,857
Junior or community college	944	852	872	902	881	786	728	845	961	1,066
Secondary school	1,087	1,008	999	867	754	763	639	786	746	1,023
Hospital	1,499	1,446	1,552	1,312	1,009	804	783	783	800	736
Government agency	272	101	66	8	62	33	53	38	124	138
Senior college or university	57	48	51	242	271	295	179	0	29	0
Independent agency	40	47	26	60	44	48	40	27	30	38
Midwest	12,874	12,790	12,739	12,507	12,352	11,522	11,557	11,983	12,565	11,715
Technical or vocational college	7,614	7,248	7,013	7,238	7,021	6,778	6,703	6,888	6,980	6,569
Junior or community college	3,951	4,267	4,418	4,036	4,110	3,739	3,914	4,124	4,598	4,052
Secondary school	281	231	343	292	270	284	245	308	254	413
Hospital	714	742	654	648	670	504	561	511	578	423
Government agency	10	8	11	15	25	4	0	0	0	110
Senior college or university	141	127	121	103	89	83	93	112	111	97
Independent agency	163	167	179	175	167	130	41	40	44	51
South	15,416	16,678	16,578	16,212	15,789	15,629	15,486	16,497	17,083	16,978
Technical or vocational school	9,026	10,119	9,963	9,641	9,583	9,416	9,230	10,055	10,182	9,782
Junior or community college	3,376	3,653	3,679	3,804	3,727	4,055	4,135	4,089	4,319	4,251
Secondary school	569	619	712	615	632	517	501	540	624	791
Hospital	1,492	1,474	1,525	1,331	1,216	1,050	1,055	1,273	1,402	1,195
Government agency	777	662	542	613	412	359	402	370	353	684
Senior college or university	165	141	142	194	210	216	135	128	176	160
Independent agency	11	10	15	14	9	16	28	42	27	115
West	6,604	7,058	6,926	6,671	6,796	6,125	6,007	6,528	6,744	6,503
Technical or vocational school	1,945	2,062	2,031	1,959	2,090	1,820	1,834	2,031	2,048	1,881
Junior or community college	3,765	3,983	4,073	3,824	3,938	3,696	3,644	3,905	4,156	3,747
Secondary school	55	162	177	242	241	228	128	204	203	402
Hospital	160	189	145	81	52	13	4	10	0	55
Government agency	424	412	322	366	277	142	136	168	169	247
Senior college or university	158	185	127	155	158	178	233	173	168	136
Independent agency	97	65	51	44	40	48	28	37	0	35

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands

MEN AND MINORITY STUDENTS

Men and Minority Students (Tables PN-21 to PN-26)

- Survey questions concerning men and minority students were answered by 912 programs. This represents approximately two-thirds of the total population of LPN/LVN programs.

- In 1984, blacks constituted about 16 percent of students who were admitted to LPN/LVN programs. An additional 6.5 percent of annual admissions were men, and almost 4 percent were Hispanic. Asians and American Indians each accounted for about 1 percent of the admissions (Table PN-21).

- The West reported the largest proportions of male, Hispanic, Asian, and American Indian students admitted. The South reported the greatest number of blacks (Table PN-21).

- The number and proportion of men and blacks admitted to LPN/LVN programs has increased since 1978 when NLN first began collecting such data. The number of Hispanics has increased since 1978, but the percentage of these students admitted has declined since 1981. The trends for Asian and American Indian students are not clear since these groups were previously counted together (Table PN-22).

- The percentages of men and minority students enrolled in LPN/LVN programs follow the same pattern as the admissions figures. Blacks make up 15 percent of total enrollments; men, 6.6 percent; Hispanic students, 3.9 percent; Asians, 1.3 percent; and American Indians, 1.0 percent (Table PN-23).

- The proportion of Hispanic students enrolling in LPN/LVN programs is down in all regions compared to the 1981 figures, although up slightly over 1978 (Table PN-24).

- All regions except the West reported increases in the proportion of men and blacks enrolling in LPN/LVN programs (Table PN-24).

- The West reported the largest proportion of male, Hispanic, Asian, and American Indian LPN/LVN graduates. The South reported the largest number of black graduates (Table PN-25).

- The percentage of male graduates from LPN/LVN programs increased to 5.2 percent of the total in 1984. The proportion of male graduates has increased steadily since 1978 (Table PN-26).

- The proportion of both black and Hispanic graduates has declined since 1981. However, the current figures represent small increases since 1978 (Table PN-26).

Table PN-21

ADMISSIONS OF MEN AND MINORITY STUDENTS TO LPN/LVN PROGRAMS, BY NLN REGIONS AND STATES: 1983-84[1,2]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL ADMISSIONS	NUMBER OF ADMISSIONS				
			Males	Blacks	Hispanic	Asian	American Indian
United States	**912**	**48,950**	**3,170**	**7,732**	**1,766**	**506**	**519**
North Atlantic	166	10,753	518	1,691	236	44	46
Midwest	205	12,109	790	1,621	163	113	170
South	408	19,810	1,139	3,821	752	125	140
West	133	6,278	723	599	615	224	163
Alabama	16	1,412	73	439	59	2	0
Alaska	1	23	3	0	2	0	0
Arizona	9	290	62	32	81	2	29
Arkansas	27	1,225	76	134	4	5	10
California	47	2,581	252	501	332	119	36
Colorado	11	587	32	10	38	3	3
Connecticut	8	337	12	18	4	1	1
Delaware	3	149	55	58	7	2	1
District of Columbia	2	122	4	104	0	0	0
Florida	35	2,906	208	503	85	37	3
Georgia	25	1,215	34	256	3	2	1
Hawaii	4	141	34	1	0	64	0
Idaho	5	105	3	0	2	0	0
Illinois	27	2,241	125	649	67	42	44
Indiana	12	846	28	57	3	6	1
Iowa	14	402	26	6	0	0	1
Kansas	9	436	52	54	11	5	5
Kentucky	13	917	46	36	1	2	0
Louisiana	34	1,935	94	663	19	16	8
Maine	5	222	15	1	0	0	0
Maryland	15	404	32	106	0	2	0
Massachusetts	21	872	59	21	7	0	5
Michigan	26	1,648	155	370	9	7	7
Minnesota	24	1,431	120	45	11	42	28
Mississippi	9	639	33	248	0	0	0
Missouri	27	1,026	58	168	32	2	1
Montana	5	213	20	1	2	0	4
Nebraska	3	224	14	1	5	1	2
Nevada	3	75	8	2	1	2	1
New Hampshire	7	351	23	1	0	0	1
New Jersey	21	1,186	73	272	23	6	6
New Mexico	7	349	44	12	110	5	12
New York	50	3,509	247	965	172	30	31
North Carolina	24	918	111	157	6	9	10
North Dakota	8	389	31	1	1	2	60
Ohio	39	2,421	119	200	12	3	3
Oklahoma	27	835	44	39	7	1	92
Oregon	9	413	61	3	7	4	6
Pennsylvania	48	3,905	20	245	19	5	0
Rhode Island	1	100	10	6	4	0	1
South Carolina	23	712	29	203	15	3	1
South Dakota	3	170	6	0	0	1	11
Tennessee	20	974	53	137	0	3	1
Texas	90	3,960	242	636	551	31	12
Utah	6	365	36	2	8	3	12
Vermont	0	—	—	—	—	—	—
Virginia	36	1,256	34	255	2	11	1
Washington	20	1,022	158	34	17	22	58
West Virginia	14	502	30	9	0	1	1
Wisconsin	13	875	56	70	12	2	7
Wyoming	6	114	10	1	15	0	2
American Samoa	1	12	0	0	0	12	0
Guam	0	—	—	—	—	—	—
Puerto Rico	5	671	37	0	664	0	0
Virgin Islands	0	—	—	—	—	—	—

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Figures represent only those programs responding to this section of the questionnaire.

Table PN-22

TRENDS IN ADMISSIONS OF MEN AND MINORITY STUDENTS IN LPN/LVN PROGRAMS, 1978 TO 1984[1]

YEAR	NUMBER OF PROGRAMS REPORTING	MEN		BLACKS		HISPANIC		ASIAN		AMERICAN INDIAN	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
ALL REGIONS											
1978	1,084	2,322	4.4	5,881	11.1	1,580	3.0	714	1.4	•	•
1981	1,081	2,749	6.1	6,252	14.6	1,683	4.9	731	2.2	•	•
1984	912	3,170	6.5	7,732	15.8	1,766	3.6	506	1.0	519	1.1
NORTH ATLANTIC											
1978	195	403	3.7	861	7.8	176	1.6	47	0.4	•	•
1981	187	408	4.6	860	10.1	211	3.0	44	0.7	•	•
1984	166	518	4.8	1,691	15.7	236	2.2	44	0.4	46	0.4
MIDWEST											
1978	230	374	2.7	1,143	8.4	105	0.8	134	1.0	•	•
1981	252	695	5.2	1,237	11.6	112	1.3	122	1.4	•	•
1984	205	790	6.5	1,621	13.4	163	1.3	113	0.9	170	1.4
SOUTH											
1978	483	971	4.7	3,322	16.1	703	3.4	201	1.0	•	•
1981	468	995	5.9	3,401	18.5	654	4.8	195	1.5	•	•
1984	408	1,139	5.7	3,821	19.3	752	3.8	125	0.6	140	0.7
WEST											
1978	176	574	7.8	555	7.5	596	8.1	332	4.5	•	•
1981	174	651	11.5	754	14.3	706	12.9	370	6.7	•	•
1984	133	723	11.5	599	9.5	615	9.8	224	3.6	103	2.6

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

• "American Indian/Oriental" was one category before 1984.

Table PN-23

ENROLLMENTS OF MEN AND MINORITY STUDENTS IN LPN/LVN PROGRAMS, BY NLN REGION AND STATE: 1984[1,2]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL ENROLLMENTS	NUMBER OF ENROLLENTS				
			Males	Blacks	Hispanic	Asian	American Indian
United States	**912**	**39,678**	**2,618**	**6,045**	**1,547**	**525**	**414**
North Atlantic	166	9,589	631	1,545	210	51	28
Midwest	205	9,371	569	1,203	120	94	114
South	408	15,255	846	2,801	601	103	99
West	133	5,463	572	496	616	277	173
Alabama	16	895	41	259	16	0	0
Alaska	1	7	0	1	0	0	0
Arizona	9	219	34	27	67	0	33
Arkansas	27	768	21	74	0	1	3
California	47	2,355	181	409	357	176	37
Colorado	11	397	26	5	37	5	3
Connecticut	8	276	6	9	3	1	1
Delaware	3	189	91	77	17	2	0
District of Columbia	2	117	6	103	1	1	0
Florida	35	2,244	120	384	64	19	0
Georgia	25	950	30	214	14	4	0
Hawaii	4	133	36	1	0	63	0
Idaho	5	74	3	0	4	1	0
Illinois	27	1,938	77	478	70	25	44
Indiana	12	640	31	64	3	1	0
Iowa	14	361	17	2	1	3	0
Kansas	9	447	37	49	16	7	1
Kentucky	13	632	23	23	0	0	0
Louisiana	34	1,419	40	383	9	22	8
Maine	5	192	12	1	0	0	0
Maryland	15	373	23	107	0	4	0
Massachusetts	21	726	43	26	9	2	2
Michigan	26	1,322	106	260	5	8	9
Minnesota	24	1,038	104	25	8	36	18
Mississippi	9	511	12	92	0	0	0
Missouri	27	939	53	146	1	5	4
Montana	5	165	11	1	1	0	3
Nebraska	3	148	11	0	5	1	3
Nevada	3	62	8	2	1	2	1
New Hampshire	7	344	13	1	0	0	0
New Jersey	21	1,096	51	213	28	4	5
New Mexico	7	330	39	13	109	4	8
New York	50	3,596	209	940	130	29	18
North Carolina	24	776	59	120	1	5	17
North Dakota	8	302	23	0	0	0	22
Ohio	39	1,828	94	169	7	6	4
Oklahoma	27	728	25	38	6	4	57
Oregon	9	519	61	3	7	4	6
Pennsylvania	48	2,655	168	171	18	7	2
Rhode Island	1	96	9	4	4	5	0
South Carolina	23	624	25	193	15	4	1
South Dakota	3	129	3	0	2	1	8
Tennessee	20	778	36	79	0	3	1
Texas	90	3,130	325	556	472	27	10
Utah	6	340	30	3	8	4	12
Vermont	0	—	—	—	—	—	—
Virginia	36	1,059	54	274	4	10	1
Washington	20	779	134	29	11	18	68
West Virginia	14	368	12	5	0	0	1
Wisconsin	13	581	36	10	2	1	1
Wyoming	6	83	9	2	14	0	2
American Samoa	0	—	—	—	—	—	—
Guam	0	—	—	—	—	—	—
Puerto Rico	5	845	29	0	838	0	0
Virgin Islands	0	—	—	—	—	—	—

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Figures represent only those programs responding to this section of the questionnaire.

Table PN-24

TRENDS IN ENROLLMENTS OF MEN AND MINORITY STUDENTS IN LPN/LVN PROGRAMS, 1978 TO 1984[1]

YEAR	NUMBER OF PROGRAMS REPORTING	MEN		BLACKS		HISPANIC		ASIAN		AMERICAN INDIAN	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
ALL REGIONS											
1978	1,084	1,864	3.9	5,141	10.7	1,494	3.1	608	1.3	*	*
1981	903	2,385	5.8	5,588	14.0	1,584	4.9	642	2.1	*	*
1984	912	2,618	6.6	6,045	15.2	1,547	3.9	525	1.3	414	1.0
NORTH ATLANTIC											
1978	195	350	3.1	999	8.9	248	2.2	33	0.3	*	*
1981	159	433	4.9	1,037	11.7	260	3.5	48	0.7	*	*
1984	156	631	6.6	1,545	16.1	210	2.2	51	0.5	28	0.3
MIDWEST											
1978	230	277	2.3	906	7.5	94	0.8	106	0.9	*	*
1981	218	598	5.0	1,255	12.7	108	1.3	99	1.2	*	*
1984	205	569	6.1	1,203	12.8	120	1.3	94	1.0	114	1.2
SOUTH											
1978	483	792	4.4	2,836	15.8	676	3.8	163	0.9	*	*
1981	382	730	4.7	2,691	16.8	558	4.8	168	1.5	*	*
1984	408	846	5.5	2,801	18.4	601	3.9	103	0.7	99	0.6
WEST											
1978	176	445	6.5	400	5.8	476	6.9	306	4.5	*	*
1981	150	624	11.4	605	12.0	658	12.4	327	6.3	*	*
1984	133	572	10.5	496	9.1	616	11.3	277	5.1	173	3.2

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

* "American Indian/Oriental" was one category before 1984.

Table PN-25

GRADUATIONS OF MEN AND MINORITY STUDENTS FROM LPN/LVN PROGRAMS, BY NLN REGION AND STATE: 1983-84[1,2]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL RN GRADUATIONS	NUMBER OF GRADUATIONS				
			Males	Blacks	Hispanic	Asian	American Indian
United States	**912**	**36,305**	**1,894**	**4,178**	**1,000**	**312**	**305**
North Atlantic	166	7,559	331	945	85	18	18
Midwest	205	9,422	474	875	84	36	83
South	408	14,308	627	2,043	437	56	115
West	133	5,016	462	315	394	202	89
Alabama	16	1,026	33	270	45	2	0
Alaska	1	15	3	2	0	0	0
Arizona	9	362	40	11	43	2	8
Arkansas	27	908	44	73	2	3	4
California	47	1,999	151	268	227	130	20
Colorado	11	449	20	16	32	0	0
Connecticut	8	270	6	3	2	0	0
Delaware	3	80	18	29	3	1	0
District of Columbia	2	59	4	40	0	0	0
Florida	35	2,267	147	300	56	20	5
Georgia	25	887	20	153	1	1	0
Hawaii	4	114	26	1	0	55	0
Idaho	5	68	3	0	2	0	0
Illinois	27	1,555	51	419	23	20	40
Indiana	12	664	21	44	1	4	1
Iowa	14	374	9	4	0	0	1
Kansas	9	551	27	14	3	2	4
Kentucky	13	638	24	16	0	0	0
Louisiana	34	1,024	37	216	7	7	4
Maine	5	266	8	1	0	0	0
Maryland	15	306	25	66	0	3	0
Massachusetts	21	696	33	12	3	0	0
Michigan	26	1,100	83	146	6	3	2
Minnesota	24	1,000	55	12	8	1	9
Mississippi	9	432	14	150	0	0	0
Missouri	27	884	29	104	25	0	1
Montana	5	119	5	0	0	0	3
Nebraska	3	155	11	0	4	1	1
Nevada	3	54	5	2	1	2	1
New Hampshire	7	276	9	1	0	0	0
New Jersey	21	786	24	131	12	6	2
New Mexico	7	305	28	3	61	0	10
New York	50	2,349	119	550	54	9	14
North Carolina	24	617	39	88	4	3	1
North Dakota	8	284	11	0	0	2	11
Ohio	39	2,017	70	107	9	1	3
Oklahoma	27	621	24	22	5	2	51
Oregon	9	312	25	0	1	3	1
Pennsylvania	48	2,690	101	174	8	2	1
Rhode Island	1	87	9	4	3	0	1
South Carolina	23	496	13	106	10	2	0
South Dakota	3	146	2	0	0	1	6
Tennessee	20	677	18	48	0	0	0
Texas	90	2,746	166	379	304	10	49
Utah	6	311	30	0	5	1	1
Vermont	0	—	—	—	—	—	—
Virginia	36	1,256	12	149	3	3	0
Washington	20	828	123	11	9	9	43
West Virginia	14	407	11	7	0	0	1
Wisconsin	13	692	105	25	5	1	4
Wyoming	6	80	3	1	13	0	2
American Samoa	0	—	—	—	—	—	—
Guam	0	—	—	—	—	—	—
Puerto Rico	5	201	13	0	195	0	0
Virgin Islands	0	—	—	—	—	—	—

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Figures represent only those programs responding to this section of the questionnaire.

Table PN-26

TRENDS IN GRADUATIONS OF MEN AND MINORITY STUDENTS IN LPN/LVN PROGRAMS, 1978 TO 1984[1]

YEAR	NUMBER OF PROGRAMS REPORTING	MEN		BLACKS		HISPANIC		ASIAN		AMERICAN INDIAN	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
ALL REGIONS											
1978	1,084	1,389	3.5	3,515	9.0	986	2.5	383	1.0	*	*
1981	887	1,386	4.6	3,565	12.4	1,110	4.7	437	1.9	*	*
1984	912	1,894	5.2	4,178	11.5	1,000	2.8	312	0.9	305	0.8
NORTH ATLANTIC											
1978	195	247	2.9	563	6.6	100	1.2	37	0.4	*	*
1981	154	222	3.7	583	10.4	113	2.4	34	0.8	*	*
1984	166	331	4.4	945	12.5	85	1.1	18	0.2	18	0.2
MIDWEST											
1978	230	183	1.7	671	6.1	71	0.6	75	0.7	*	*
1981	211	327	3.5	795	10.1	83	1.4	83	1.4	*	*
1984	205	474	5.0	875	9.3	84	0.9	36	0.4	83	0.9
SOUTH											
1978	483	632	4.5	2,047	14.4	489	3.5	104	0.7	*	*
1981	373	360	4.7	1,811	15.8	436	5.3	104	1.3	*	*
1984	408	627	4.4	2,043	14.3	437	3.1	56	0.4	115	0.8
WEST											
1978	176	327	6.0	234	4.3	326	6.0	167	3.0	*	*
1981	155	357	7.7	376	9.5	478	11.0	216	5.0	*	*
1984	133	462	9.2	315	6.3	394	7.9	202	4.0	89	1.8

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[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands

* "American Indian/Oriental" was one category before 1984

TUITION AND FEES

Tuition and Fees (Table PN-27)

- Of the total of 1,254 LPN/LVN programs, 985 reported data on tuition and fees—approximately 80 percent of the total. Of those programs reporting this data, 43 percent come from the South, 23 percent from the Midwest, 17 percent from the North Atlantic, and 17 percent from the West.

- The average annual tuition for publicly funded LPN/LVN programs was $865. Privately funded programs reported a higher average tuition of $1,894. Mandatory fees for publicly funded programs averaged about $100 less than the mandatory fees at privately funded programs.

- The average tuitions for publicly funded programs were lowest in the South, followed by the Western, Midwestern, and North Atlantic regions. The tuitions in privately funded programs were highest in the West, followed by the North Atlantic, Midwestern, and Southern regions. A similar pattern was observed in the previous year's survey responses.

Table PN-27

MEAN ANNUAL TUITION AND ADDITIONAL MANDATED FEES FOR RESIDENTS WHO ATTENDED, FULL TIME, LPN/LVN PROGRAMS, BY PRIMARY SOURCE OF FINANCIAL SUPPORT AND STATE: 1984-85

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING TUITION AND FEES		TOTAL TUITION AND ADDITIONAL MANDATED FEES		TUITION		ADDITIONAL MANDATED FEES	
	Public	Private	Public	Private	Public	Private	Public	Private
United States[1]	**886**	**99**	**$1,254**	**$2,332**	**$ 865**	**$1,894**	**$389**	**$ 438**
North Atlantic	139	34	2,114	2,876	1,746	2,320	368	556
Midwest	202	21	1,658	2,411	1,199	1,892	459	519
South	387	36	789	1,173	436	724	353	449
West	158	8	1,083	5,006	687	4,640	396	366
Alabama	20	3	809	1,583	528	1,267	281	316
Alaska	1	0	1,327	–	900	–	427	–
Arizona	9	0	1,559	–	1,104	–	455	–
Arkansas	23	2	931	413	363	263	568	150
California	57	8	862	5,757	493	5,350	369	407
Colorado	13	0	1,423	–	970	–	453	–
Connecticut	9	0	433	–	0	–	433	–
Delaware	3	0	1,011	–	796	–	215	–
District of Columbia	1	1	324	100	0	0	324	100
Florida	30	1	614	1,400	398	600	216	800
Georgia	30	0	850	–	580	–	270	–
Hawaii	4	0	474	–	264	–	210	–
Idaho	7	0	1,626	–	922	–	704	–
Illinois	29	1	1,890	2,000	1,060	1,500	330	500
Indiana	15	3	2,122	3,235	1,753	1,817	369	1,418
Iowa	25	1	1,316	0	1,002	0	314	0
Kansas	15	0	885	–	556	–	329	–
Kentucky	13	2	556	3,375	203	3,110	353	265
Louisiana	28	0	290	–	0	–	290	–
Maine	5	0	1,158	–	900	–	258	–
Maryland	12	1	1,084	1,265	902	1,000	182	265
Massachusetts	17	4	2,003	2,630	1,620	2,233	383	397
Michigan	24	3	1,615	2,122	1,226	1,797	389	325
Minnesota	23	1	1,866	670	1,230	600	536	70
Mississippi	10	1	1,933	600	691	600	1,242	0
Missouri	20	4	4,243	2,444	1,362	2,380	948	164
Montana	5	0	974	–	720	–	254	–
Nebraska	1	0	1,746	–	792	–	954	–
Nevada	3	0	1,699	–	687	–	1,012	–
New Hampshire	4	0	2,173	–	1,458	–	715	–
New Jersey	22	3	888	3,292	578	3,120	310	172
New Mexico	9	0	675	–	473	–	202	–
New York	38	11	2,210	2,483	2,058	2,267	152	216
North Carolina	27	0	457	–	207	–	250	–
North Dakota	1	1	2,430	3,740	2,130	3,579	300	161
Ohio	33	6	2,134	2,501	1,591	1,917	543	584
Oklahoma	24	0	1,417	–	915	–	502	–
Oregon	12	0	1,018	–	709	–	309	–
Pennsylvania	37	14	2,798	3,220	2,217	2,262	581	958
Rhode Island	1	0	1,380	–	640	–	740	–
South Carolina	19	1	603	825	318	200	285	625
South Dakota	3	0	1,895	–	1,167	–	728	–
Tennessee	18	2	509	3,300	197	1,700	312	1,600
Texas	90	16	649	879	265	376	384	503
Utah	6	0	1,223	–	848	–	375	–
Vermont	2	1	1,950	1,845	1,550	1,550	400	295
Virginia	30	4	837	678	589	417	248	261
Washington	25	0	1,137	–	677	–	460	–
West Virginia	13	3	1,121	779	585	542	536	237
Wisconsin	13	1	956	2,200	698	1,400	258	800
Wyoming	7	0	757	–	570	–	187	–
American Samoa	0	0	–	–	–	–	–	–
Guam	0	0	–	–	–	–	–	–
Puerto Rico	1	4	2,655	1,788	2,300	1,588	355	190
Virgin Islands	0	0	–	–	–	–	–	–

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

PN Faculty

SUMMARY AND RESULTS OF LPN/LVN FACULTY CENSUS

The faculty census questionnaire is sent to all practical and vocational nursing programs every two years. In 1986 the same questionnaire was sent as was used for the registered nurse faculty census.

Population

In January 1986, the LPN/LVN faculty census was mailed to 1,245 programs, a decrease of 6 percent from 1984. Of these, 757 responded, for a 60.8 percent response rate. This response rate was much lower than in previous years and needs to be considered in evaluating the comparative data.

Number of Faculty

The percentage decrease in the number of faculty exceeded the 6 percent decrease in the number of programs. An estimate of the total population of faculty showed a decrease of 16.5 percent among full-time faculty and 8 percent among part-time faculty. The estimated number of unfilled budgeted positions decreased by 42.2 percent.

Credentials of Faculty and Administrators

There has been a continued increase in the percentage of administrators and faculty with graduate degrees (61.7 percent and 29.9 percent, respectively). Only 9 percent of administrators and 20 percent of full-time faculty do not have a minimum of a baccalaureate degree as their highest credential. Twenty-nine percent of part-time faculty do not have at least a baccalaureate degree, while nearly 20 percent of part-time faculty have a graduate degree.

Characteristics of Faculty and Administrators

Nurses of black ethnic background are the largest minority group in LPN/LVN programs. Overall, they make up 6.1 percent of the administrators, 7.8 percent of the full-time faculty, and 5.1 percent of the part-time faculty. In the Southern region the percentages tend to be higher, with 9.9 percent of the administrators, 9.1 percent of full-time faculty, and 8.4 percent of the part-time faculty reported as being from a black (non-Hispanic) ethnic background.

As a whole, minority groups represent 9.5 percent of the administrators, 12.3 percent of the full-time faculty, and 9 percent of the part-time faculty. In the Southern region, 16 percent of the full-time faculty and 15.1 percent of the part-time faculty are from minority groups.

Men make up only 1.7 percent of full-time and 7.4 percent of part-time LPN/LVN faculty.

Faculty Workload

The average workload of an LPN/LVN faculty member is 42 hours per week. The largest proportion of time is spent on clinical teaching (a mean of 18 hours), followed by classroom teaching (a mean of 10 hours). The average faculty member has 25 students in the classroom, 12 students in the clinical area, and 8 students for advisement.

Faculty and Administrator Salaries

There is considerable variation in the salaries of LPN/LVN administrators and faculty. There are no consistent patterns by institutional support, by region, or by academic credential. LPN/LVN programs tend to be located in a variety of institutional settings such as community and junior colleges, vocational schools, hospitals, and secondary schools. The variations in salary probably reflect the differences in salary scales among and within these institutions, combined with longevity of faculty and local competitive forces such as RN salaries.

Summary

The data collected in the 1986 LPN/LVN faculty survey shows evidence of decreases in the number of programs and faculty. Faculty workload seems to have increased since 1984, and the academic credentials of the faculty are higher. With the many changes affecting LPN/LVN programs, faculty seem to be in a state of flux.

NUMBER OF FACULTY AND UNFILLED POSITIONS

Number of Nurse Faculty, 1968-1986 (Table PNF-1)

- The PN faculty census is conducted every two years as part of the NLN faculty census.
- In 1986 there was a 6 percent decrease in the total number of state-approved LPN/LVN programs. After rapid growth in the number of programs from 1964 to 1970, the change leveled off, with increases and decreases remaining within 3 percent from 1972-84. The 6 percent decrease in the 1984-86 biennium was the greatest decrease in 20 years.
- In 1986, the percentage of programs responding to the questionnaire (60.8%) was the lowest ever.
- Estimates of total numbers of faculty were based on an extrapolation of the data to a 100 percent return rate. This extrapolation was based on the assumption that the nonrespondents, in general, have the same proportion of full-time and part-time faculty and unfilled positions as do the responding programs.
- The estimated total number of faculty is a full-time equivalent (FTE), which is obtained by adding one-half the estimated number of part-time faculty to the estimated number of full-time faculty.
- In 1986, the estimated total number of faculty decreased by 15.3 percent. The estimated total number of full-time faculty decreased by 16.5 percent, part-time faculty decreased by 8 percent, and the number of unfilled positions decreased by 42.2 percent.
- There was an average of 4.2 faculty members per program in 1986, a 15.3 percent decrease from the 1984 data.

Table PNF-1
NUMBER OF FULL-TIME AND PART-TIME NURSE FACULTY IN LPN/LVN PROGRAMS: 1968 TO 1986

YEAR [2]	REPORTING SCHOOLS [1]					TOTAL SCHOOLS (ESTIMATED)				
	Number of Programs Reporting	Percentage of Total Schools	Full-Time Faculty	Part-Time Faculty	Unfilled Budgeted Positions	Total Number of Schools	Total Nurse Faculty	Full-Time Faculty	Part-Time Faculty	Unfilled Budgeted Positions
1968										
Number	948	82.5	3,257	765	159	1,149	4,403	3,940	926	199
Percentage change	+30.6	+6.6	+27.9	+25.2	+62.2	+20.1	+17.1	+17.4	+14.9	+53.1
1970										
Number	1,194	95.4	3,844	757	159	1,252	4,428	4,031	794	167
Percentage change	+25.9	+12.9	+18.0	−1.0	+0.0	+9.0	+0.6	+2.3	−14.2	−16.1
1972										
Number	1,201	93.0	4,271	990	139	1,291	5,123	4,591	1,064	150
Percentage change	+0.6	−2.4	+11.1	+30.8	−12.6	+3.1	+15.7	+13.9	+34.0	−10.2
1974										
Number	1,277	97.8	4,656	1,167	142	1,306	5,359	4,762	1,193	145
Percentage change	+6.3	+4.8	+9.0	+17.9	+2.2	+1.2	+4.6	+3.7	+12.1	−3.3
1976										
Number	1,204	95.0	4,793	1,100	117	1,267	5,624	5,045	1,158	123
Percentage change	−5.6	−2.8	+2.9	−5.7	−17.6	−3.0	+4.9	+5.9	−2.9	−15.2
1978										
Number	1,140	90.0	4,524	1,149	89	1,266	5,662	5,024	1,276	99
Percentage change	−5.3	−5.0	−5.6	+4.4	−23.9	−0.1	+0.7	−0.4	+10.2	−19.5
1980										
Number	1,116	88.9	4,227	1,238	92	1,255	5,449	4,753	1,392	103
Percentage change	−2.1	−1.1	−6.6	+7.7	+3.4	−0.9	−3.8	−5.4	+9.1	+4.0
1982										
Number	1,045	81.0	4,161	1,303	111	1,290	5,941	5,137	1,608	137
Percentage change	−6.4	−7.9	−1.6	+5.3	+20.7	+2.8	+9.0	+8.1	+15.5	+33.0
1984										
Number	1,075	81.4	4,333	1,494	83	1,325	6,239	5,321	1,835	102
Percentage change	+2.9	+0.4	+4.1	+14.7	−25.2	+2.7	+5.0	+3.6	+14.1	−25.5
1986										
Number	757	60.8	2,700	1,030	36	1,245	5,288	4,441	1,694	59
Percentage change	−29.6	−20.6	−37.7	−31.3	−56.6	−6.0	−15.3	−16.5	−8.0	−42.2

[1] Directors of schools not included in table. Includes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] As of January of each year.

Full-Time and Part-Time Faculty by State (Table PNF-2)

- Of all the states, Texas, New York, and California have the most LPN/LVN programs and the most full-time LPN/LVN faculty.
- The states or territories with the highest average (mean) number of full-time faculty per program are Delaware, Illinois, Nebraska, Oregon, Rhode Island, South Carolina, and Puerto Rico.
- The states with the highest average (mean) number of part-time faculty per program are Delaware and Michigan.
- The states with the lowest ratio of full-time faculty to part-time faculty are Arizona, South Dakota, California, and New Jersey.
- The programs in 36 states and territories reported that they had no unfilled budgeted positions. New York had the greatest number of unfilled budgeted positions.

Table PNF-2

FULL-TIME AND PART-TIME NURSE FACULTY AND UNFILLED BUDGETED POSITIONS IN LPN/LVN PROGRAMS, BY STATE

STATE	TOTAL NUMBER OF PROGRAMS	NUMBER OF PROGRAMS RESPONDING	NURSE FACULTY		
			Full-Time	Part-Time	Unfilled Budgeted Positions
Alabama	23	11	41	12	0
Alaska	0	0	0	0	0
Arizona	12	10	33	30	0
Arkansas	29	16	20	10	0
California	86	53	201	155	3
Colorado	14	8	19	9	0
Connecticut	10	7	32	5	0
Delaware	3	3	17	6	1
District of Columbia	3	0	—	—	—
Florida	35	24	139	31	0
Georgia	44	20	52	5	0
Hawaii	4	3	14	2	0
Idaho	8	2	3	0	0
Illinois	41	27	150	44	0
Indiana	19	17	58	31	2
Iowa	27	14	41	30	2
Kansas	17	11	49	11	1
Kentucky	17	9	37	8	0
Louisiana	37	17	70	2	2
Maine	5	3	15	1	0
Maryland	18	11	27	8	1
Massachusetts	23	15	64	18	0
Michigan	33	24	115	80	0
Minnesota	27	20	46	28	0
Mississippi	12	2	8	0	0
Missouri	35	25	71	21	1
Montana	5	2	6	0	0
Nebraska	8	8	47	13	0
Nevada	4	1	1	0	0
New Hampshire	5	5	16	10	1
New Jersey	31	12	46	36	1
New Mexico	9	7	31	2	2
New York	92	48	200	128	5
North Carolina	26	19	44	13	1
North Dakota	7	5	11	3	0
Ohio	43	30	94	47	4
Oklahoma	27	16	35	6	0
Oregon	12	11	69	15	0
Pennsylvania	56	49	177	68	2
Rhode Island	1	1	9	1	0
South Carolina	34	2	49	14	0
South Dakota	3	1	1	2	0
Tennessee	25	16	53	4	2
Texas	121	71	196	24	1
Utah	6	6	28	13	0
Vermont	3	3	12	5	0
Virginia	57	29	82	9	0
Washington	25	17	67	49	3
West Virginia	19	12	30	5	1
Wisconsin	11	5	15	6	0
Wyoming	7	6	18	6	0
American Samoa	1	1	4	0	0
Guam	0	0	0	0	0
Puerto Rico	24	4	37	3	0
Virgin Islands	1	0	0	0	0
Total	1,245	757	2,700	1,027	36

Non-Nurse Faculty (Table PNF-3)

- Non-nurse faculty make up 4.1 percent of all full-time faculty and 13.8 percent of all part-time faculty in LPN/LVN programs.
- The Western region has the greatest percentage of full-time non-nurse faculty (6.7%), and the Southern region has the largest percentage (21.8%) of part-time non-nurse faculty.
- The Southern region has the lowest percent of full-time non-nurse faculty (2.8%) and the Western region has the lowest percent of part-time non-nurse faculty (9.3%).

Table PNF-3
PERCENT OF NURSE AND NON-NURSE FACULTY IN LPN/LVN PROGRAMS, BY NLN REGION

NLN REGION [1]	FULL-TIME FACULTY						PART-TIME FACULTY					
	Total		Nurse		Non-Nurse		Total		Nurse		Non-Nurse	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Regions	**2,816**	**100.0**	**2,700**	**95.9**	**116**	**4.1**	**1,182**	**100.0**	**1,029**	**87.1**	**153**	**13.8**
North Atlantic	605	100.0	586	96.9	19	3.1	305	100.0	275	90.2	30	9.8
Midwestern	732	100.0	697	95.2	35	4.8	367	100.0	316	86.1	51	13.9
Southern	940	100.0	914	97.2	26	2.8	197	100.0	154	78.2	43	21.8
Western	539	100.0	503	93.3	36	6.7	313	100.0	284	90.7	29	9.3

[1] Includes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Unfilled Faculty Positions (Table PNF-4)

- When broken down by content area or nursing specialization, 36 percent of all unfilled positions in LPN/LVN programs are in medical-surgical nursing, and 25 percent of open positions are for faculty teaching as generalists.
- The number of unfilled full-time positions (36) was fairly evenly divided among the regions.
- The number of unfilled full-time positions decreased compared to 1984. While the percentage of unfilled medical-surgical positions decreased by 12 percent it still accounts for the largest percentage of unfilled positions. The percentage of unfilled generalist positions increased over the 1984 data.

Table PNF-4
PERCENT OF UNFILLED FULL-TIME NURSE FACULTY POSITIONS IN LPN/LVN PROGRAMS BY CLINICAL CONTENT AREA AND NLN REGION

NLN REGION [1]	TOTAL UNFILLED BUDGETED POSITIONS		CONTENT AREA OR NURSING SPECIALIZATION (PERCENT)							
	Number	Percent	Medical Surgical	Maternal Child	Psychiatric Mental Health	Community Health	Geriatric Aging	Primary Care	Generalist	Other
All Regions	**36**	**100.0**	**36.1**	**13.9**	**2.8**	**0.0**	**5.6**	**0.0**	**25.0**	**16.7**
North Atlantic	10	100.0	30.0	40.0	0.0	0.0	10.0	0.0	10.0	10.0
Midwestern	9	100.0	22.2	11.1	0.0	0.0	11.1	0.0	22.2	33.3
Southern	8	100.0	25.0	0.0	0.0	0.0	0.0	0.0	50.0	25.0
Western	9	100.0	66.7	0.0	11.1	0.0	0.0	0.0	22.2	0.0

[1] Includes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

HIGHEST EARNED CREDENTIALS

Credentials of Administrators (Table PNF-5)

- The percentage of administrators in LPN/LVN programs with graduate degrees continues to increase, reaching 61.7 percent in 1986. This total includes 5.4 percent with a doctoral degree and 56.3 percent with a master's degree.

- There has been a gradual decrease in the percentage of administrators with the baccalaureate as their highest credential, from a high of 52.8 percent in 1980 to 29.4 percent in 1986.

- The percentage of administrators without at least a baccalaureate degree has decreased to 8.9 percent.

- For the first time in 1986, information was obtained about the educational preparation of associate and assistant administrators. A total of 186 assistant administrators were reported, about one-quarter the number of chief administrators. A few programs reported more than one assistant administrator. The educational preparation of the assistant administrators was as follows:

Doctorate	2.2%
Master's	30.6%
Baccalaureate	57.0%
Other	10.2%

Table PNF-5
HIGHEST EARNED CREDENTIAL OF ADMINISTRATORS IN LPN/LVN PROGRAMS: 1968 TO 1986

YEAR [1]	TOTAL ADMINISTRATORS REPORTED [2]		HIGHEST EARNED CREDENTIAL							
			Doctorate		Master's		Baccalaureate		Other	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1968[3]	879	100.0	2	0.2	261	29.7	424	48.2	192	21.9
1970[3]	972	100.0	3	0.3	317	32.6	445	45.8	207	21.3
1972[3]	1,097	100.0	6	0.5	345	31.5	478	43.6	268	24.4
1974[3]	1,085	100.0	12	1.1	387	35.7	459	42.3	227	20.9
1976[3]	1,101	100.0	20	1.8	442	40.2	422	38.3	217	19.7
1978[3]	1,073	100.0	21	2.0	459	42.8	420	39.1	173	16.1
1980[3]	1,041	100.0	16	1.5	467	44.9	414	39.8	144	13.8
1982	991	100.0	32	3.2	491	49.6	350	35.3	118	11.9
1984	962	100.0	38	4.0	506	52.6	304	31.6	114	11.9
1986	734	100.0	40	5.4	413	56.3	216	29.4	65	8.9

[1] As of January of each year.
[2] Includes American Samoa, Guam, Puerto Rico, and the Virgin Islands.
[3] Data corrected since previous publication.

Credentials of Full-Time Faculty (Table PNF-6)

- There has been a continued increase in the percentage of full-time faculty in LPN/LVN schools with a graduate degree as their highest credential, reaching 30 percent in 1986.
- The percentage of faculty with the baccalaureate as their highest degree remains constant at about 50 percent.
- The percentage of faculty with a diploma as their highest earned credential is steadily decreasing. They now total about 15 percent of all LPN/LVN faculty.
- The number of faculty with associate degree preparation remains relatively unchanged at about 5 percent of the total LPN/LVN faculty sample.

Table PNF-6
HIGHEST EARNED CREDENTIAL OF FULL-TIME NURSE FACULTY OF LPN/LVN PROGRAMS: 1968-1986

YEAR[1]	TOTAL FULL-TIME FACULTY REPORTED[2]		HIGHEST EARNED CREDENTIAL									
			Doctorate		Master's		Baccalaureate		Associate Degree		Diploma	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1968	3,257	100.0	0	0.0	294	9.0	1,385	42.5	52	1.6	1,526	46.9
1970	3,844	100.0	0	0.0	250	6.5	1,622	42.2	108	2.8	1,864	48.5
1972	4,271	100.0	3	0.1	332	7.8	1,794	42.0	139	3.2	2,003	46.9
1974	4,656	100.0	3	0.1	439	9.4	2,029	43.6	259	5.5	1,926	41.4
1976	4,793	100.0	5	0.1	559	11.7	2,174	45.4	246	5.1	1,809	37.7
1978	4,524	100.0	2	0.0	764	16.9	2,175	48.1	237	5.2	1,346	29.8
1980	4,227	100.0	5	0.1	763	18.1	2,096	49.6	250	5.9	1,113	26.3
1982	4,161	100.0	10	0.3	870	20.9	2,131	51.2	255	6.1	895	21.5
1984	4,250	100.0	21	0.5	1,033	24.3	2,164	50.9	235	5.5	796	18.7
1986[3]	2,690	100.0	11	0.4	793	29.5	1,355	50.4	120	4.5	411	15.3

[1] As of January of each year

[2] Includes American Samoa, Guam, Puerto Rico, and the Virgin Islands

[3] Excludes 50 faculty members listed as holding other credentials

Credentials of Part-Time Faculty (Table PNF-7)

- Since 1966, there has been a continued increase in the number of part-time faculty in LPN/LVN programs with a master's degree, from 9 percent to over 19 percent. The percentage of part-time faculty with doctoral degrees remains less than 1 percent.

- The percentage of part-time faculty with an associate degree as highest earned credential remains stable at about 8.5 percent.

- There has been a steady decrease in the percentage of part-time faculty with the diploma as their highest credential, from 59 percent in 1970 to 20 percent in 1986.

Table PNF-7

HIGHEST EARNED CREDENTIAL OF PART-TIME NURSE FACULTY OF LPN/LVN PROGRAMS: 1968-1986

YEAR[1]	TOTAL PART-TIME FACULTY REPORTED[2]		HIGHEST EARNED CREDENTIAL									
			Doctorate		Master's		Baccalaureate		Associate Degree		Diploma	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1968	765	100.0	1	0.1	71	9.3	310	40.5	17	2.2	366	47.9
1970	757	100.0	2	0.3	44	5.8	296	39.1	20	2.6	395	59.2
1972	990	100.0	6	0.6	74	7.5	392	39.6	26	2.6	492	49.7
1974	1,167	100.0	3	0.3	99	8.5	467	40.0	49	4.2	549	47.0
1976	1,100	100.0	1	0.1	108	9.8	478	43.5	54	4.9	459	41.7
1978	1,149	100.0	3	0.3	145	12.6	540	47.0	63	5.5	398	34.6
1980	1,238	100.0	0	0.0	127	10.3	642	52.8	89	7.2	380	30.7
1982	1,303	100.0	5	0.4	141	10.8	710	54.5	111	8.5	336	25.8
1984	1,471	100.0	4	0.3	257	17.5	760	51.7	130	8.8	321	21.8
1986	1,030	100.0	7	0.7	200	19.4	528	51.3	87	8.4	208	20.2

[1] As of January of each year.

[2] Includes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Credentials of Full-Time Faculty by NLN Region (Table PNF-8)

- The West has the highest percentage of full-time LPN/LVN faculty with graduate degrees (51.6%).
- The South has the lowest percentage of faculty prepared at the graduate level—17.1 percent.
- For the North Atlantic and the Midwest, the percentages of faculty with graduate education were 31.2 percent and 30 percent, respectively.
- The Southern region has the highest percentage of faculty who do not have at least a baccalaureate degree (32.3%).
- The West has the smallest percentage of faculty not prepared at least at the baccalaureate level (6.8%).

Table PNF-8

HIGHEST EARNED CREDENTIAL OF FULL-TIME NURSE FACULTY OF LPN/LVN PROGRAMS, BY NLN REGION: 1972-1986

YEAR[1] BY NLN REGION	TOTAL FULL-TIME FACULTY[2] REPORTED		HIGHEST EARNED CREDENTIAL									
			Doctorate		Master's		Baccalaureate		Associate Degree		Diploma	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
North Atlantic												
1972	1,090	100.0	1	0.1	134	12.3	591	54.2	28	2.6	336	30.8
1974	1,126	100.0	1	0.1	164	14.6	617	54.8	40	3.5	304	27.0
1976	1,107	100.0	2	0.2	170	15.3	622	56.2	33	3.0	280	25.3
1978	908	100.0	1	0.1	158	17.4	528	58.2	50	5.5	171	18.8
1980	847	100.0	1	0.1	179	21.2	493	58.2	29	3.4	145	17.1
1982	781	100.0	1	0.1	184	23.6	467	59.8	17	2.2	112	14.3
1984	811	100.0	5	0.6	204	25.2	476	58.7	24	3.0	102	12.6
1986	606	100.0	1	0.2	188	31.0	340	56.1	17	2.8	60	9.9
Midwestern												
1972	1,182	100.0	0	0.0	62	5.2	487	41.2	20	1.7	613	51.9
1974	1,197	100.0	1	0.1	83	6.9	513	42.8	39	3.3	561	46.9
1976	1,263	100.0	1	0.1	108	8.5	588	46.6	33	2.6	533	42.2
1978	1,186	100.0	1	0.1	151	12.7	599	50.5	40	3.4	395	33.3
1980	1,172	100.0	1	0.1	172	14.7	656	56.0	47	4.0	296	25.2
1982	1,133	100.0	2	0.2	199	17.6	638	56.3	48	4.2	246	21.7
1984	1,169	100.0	5	0.4	288	24.6	630	53.9	35	3.0	211	18.0
1986	710	100.0	3	0.4	210	29.6	364	51.3	19	2.7	114	16.1
Southern												
1972	1,410	100.0	1	0.1	48	3.4	405	28.7	64	4.5	892	63.3
1974	1,610	100.0	1	0.1	49	3.0	514	31.9	109	6.8	937	58.2
1976	1,677	100.0	2	0.1	91	5.4	571	34.0	135	8.1	878	52.4
1978	1,615	100.0	0	0.0	154	9.5	659	40.8	111	6.9	691	42.8
1980	1,566	100.0	1	0.1	182	11.6	634	40.5	142	9.1	607	38.7
1982	1,619	100.0	1	0.1	229	14.1	741	45.8	164	10.1	484	29.9
1984	1,658	100.0	9	0.5	274	16.5	788	47.5	158	9.5	428	25.8
1986	892	100.0	1	0.1	152	17.0	451	50.6	73	8.2	215	24.1
Western												
1972	589	100.0	1	0.2	88	14.9	311	52.8	27	4.6	162	27.5
1974	715	100.0	0	0.0	136	19.0	384	53.7	71	9.9	124	17.4
1976	746	100.0	0	0.0	190	25.5	393	52.7	45	6.0	118	15.8
1978	815	100.0	0	0.0	301	36.9	389	47.8	36	4.4	89	10.9
1980	642	100.0	2	0.3	230	35.8	313	48.8	32	5.0	65	10.1
1982	628	100.0	6	1.0	258	41.1	285	45.4	26	4.1	53	8.4
1984	612	100.0	2	0.3	267	43.6	270	44.1	18	2.9	55	9.0
1986	482	100.0	6	1.2	243	50.4	200	41.5	11	2.2	22	4.6

[1] As of January of each year.

[2] Includes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Credentials of Part-Time Faculty by NLN Region (Table PNF-9)

- The Western region has the highest percentage of part-time faculty with graduate preparation (32%), and the South has the lowest (14%).
- For both the North Atlantic and the Midwest, the percentage of part-time faculty with graduate education was 19 percent.
- In all regions, the largest group of part-time faculty had a baccalaureate degree as the highest earned credential. The percentages range from 50 percent in the Midwest to 60 percent in the Western region.
- The West has only 7 percent of part-time faculty who are not prepared at least at the baccalaureate level.
- The Midwest has the highest percentage of part-time faculty who do not have at least a baccalaureate degree (31.7%).
- The percentage of part-time LPN/LVN faculty with an associate degree as their highest preparation was highest in the South (15%) and lowest in the West (3%). The North Atlantic and Midwestern regions reported that 9 percent and 7 percent, respectively, of part-time faculty had only associate degrees.
- The Midwest had the highest percentage (25%) of part-time faculty with diploma preparation, and the West had the lowest percentage (4%). In both the North Atlantic and the Southern regions, about 18 percent of LPN/LVN part-time faculty had a diploma as their highest earned credential.

Table PNF-9

HIGHEST EARNED CREDENTIAL OF PART-TIME NURSE FACULTY OF LPN/LVN PROGRAMS, BY NLN REGION: 1972 TO 1986

YEAR[1]	TOTAL PART-TIME FACULTY REPORTED[2]		HIGHEST EARNED CREDENTIAL									
			Doctorate		Master's		Baccalaureate		Associate Degree		Diploma	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
North Atlantic												
1972	263	100.0	2	0.8	20	7.6	101	38.4	3	1.1	137	52.1
1974	282	100.0	2	0.7	28	9.9	129	45.7	10	3.6	113	40.1
1976	296	100.0	1	0.3	32	10.8	135	45.6	8	2.7	120	40.6
1978	303	100.0	1	0.3	35	11.6	139	45.9	20	6.6	108	35.6
1980	290	100.0	0	0.0	37	12.8	146	50.3	20	6.9	87	30.0
1982	307	100.0	1	0.3	36	11.7	165	53.8	14	4.6	91	29.6
1984	374	100.0	2	0.5	64	17.1	201	53.7	22	5.9	84	22.5
1986	269	100.0	1	0.4	50	18.6	147	54.6	24	8.9	47	17.5
Midwestern												
1972	301	100.0	1	0.3	11	3.7	115	38.2	8	2.7	166	55.1
1974	407	100.0	0	0.0	16	3.9	156	38.3	12	3.0	223	54.8
1976	429	100.0	0	0.0	23	5.4	168	39.2	19	4.4	219	51.0
1978	406	100.0	1	0.2	32	7.9	178	43.8	16	4.0	179	44.1
1980	468	100.0	0	0.0	22	4.7	249	53.2	21	4.5	176	37.6
1982	476	100.0	1	0.2	30	6.3	263	55.3	34	7.1	148	31.1
1984	509	100.0	0	0.0	61	12.0	240	47.2	62	12.2	146	28.7
1986	290	100.0	1	0.3	53	18.3	144	49.7	21	7.2	71	24.5
Southern												
1972	224	100.0	0	0.0	10	4.5	96	42.8	8	3.6	110	49.1
1974	250	100.0	0	0.0	21	8.4	76	30.4	15	6.0	138	55.2
1976	172	100.0	0	0.0	14	8.1	65	37.8	18	10.5	75	43.6
1978	192	100.0	0	0.0	21	10.9	87	45.3	13	6.8	71	37.0
1980	243	100.0	0	0.0	24	9.9	101	41.6	31	12.7	87	35.8
1982	247	100.0	0	0.0	34	13.8	122	49.4	31	12.5	60	24.3
1984	288	100.0	0	0.0	42	14.6	156	54.2	23	8.0	67	23.3
1986	172	100.0	0	0.0	24	14.0	91	52.9	26	15.1	31	18.0
Western												
1972	202	100.0	3	1.5	33	16.3	80	39.6	7	3.5	79	39.1
1974	226	100.0	1	0.4	33	14.6	105	46.5	12	5.3	75	33.2
1976	203	100.0	0	0.0	39	19.2	110	54.2	9	4.4	45	22.2
1978	248	100.0	1	0.4	57	23.0	136	54.8	14	5.7	40	16.1
1980	237	100.0	0	0.0	44	18.6	146	61.6	17	7.2	30	12.6
1982	273	100.0	3	1.1	41	15.0	160	58.6	32	11.7	37	13.6
1984	300	100.0	2	0.7	90	30.0	163	54.3	23	7.7	24	8.0
1986	243	100.0	5	2.1	73	30.0	146	60.1	16	3.3	18	3.7

[1] As of January of each year.

[2] Includes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Full-Time Master's and Baccalaureate Faculty with Nursing and Non-Nursing Degrees (Table PNF-10)

- This table presents the number and percentage of full-time LPN/LVN faculty prepared with a master's or baccalaureate degree who obtained their highest credential with a major in nursing. The data show that 43 percent of master's prepared and 74 percent of baccalaureate-prepared full-time LPN/LVN faculty have their degree in nursing. These figures represent a slight decrease from 1984.
- The West had the highest percentage (59%) of master's prepared full-time faculty with a nursing degree. The South had the lowest percentage at 25 percent.
- The West also had the highest percentage of baccalaureate-prepared faculty with a degree in nursing (87%). The North Atlantic region had the lowest (65%).

Table PNF-10

NURSING AND NON-NURSING DEGREES HELD BY MASTER'S AND BACCALAUREATE-PREPARED FULL-TIME FACULTY IN LPN/LVN PROGRAMS, BY NLN REGION

NLN REGION[1]	MASTER'S DEGREE						BACCALAUREATE DEGREE					
	Total[2]		Nursing Major		Non-Nursing Major		Total[2]		Nursing Major		Non-Nursing Major	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Regions	**793**	**100.0**	**343**	**43.3**	**450**	**56.7**	**1,355**	**100.0**	**997**	**73.6**	**358**	**26.4**
North Atlantic	188	100.0	79	42.0	109	58.0	340	100.0	221	65.0	119	35.0
Midwestern	210	100.0	82	39.1	128	60.9	364	100.0	255	70.1	109	29.9
Southern	152	100.0	38	25.0	114	75.0	451	100.0	348	77.1	103	22.8
Western	243	100.0	144	59.3	99	40.7	200	100.0	173	86.5	27	13.5

[1] Includes American Samoa, Guam, Puerto Rico, and the Virgin Islands

[2] Excludes the director of the school

Part-Time Master's and Baccalaureate-Prepared Faculty with Nursing and Non-Nursing Degrees (Table PNF-11)

- Table PNF-11 presents the number and percentage of part-time LPN/LVN faculty prepared with a master's or baccalaureate degree whose highest credential was in nursing.
- According to the questionnaire responses, 58 percent of part-time faculty with a master's degree and 82 percent with a baccalaureate degree obtained their degrees in nursing.
- The Western and North Atlantic regions had the highest percentages of master's prepared faculty with a nursing major—69 percent and 62 percent, respectively. The South had the lowest percentage (29%).
- The four regions had approximately the same percentages of baccalaureate-prepared part-time faculty with a nursing major, ranging from 79 to 85 percent.

Table PNF-11

NURSING AND NON-NURSING DEGREES HELD BY MASTER'S AND BACCALAUREATE-PREPARED PART-TIME FACULTY IN LPN/LVN PROGRAMS, BY NLN REGION

NLN REGION[1]	MASTER'S DEGREE						BACCALAUREATE DEGREE					
	Total[2]		Nursing Major		Non-Nursing Major		Total[2]		Nursing Major		Non-Nursing Major	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Regions	**200**	**100.0**	**115**	**57.5**	**85**	**42.5**	**528**	**100.0**	**434**	**82.2**	**94**	**17.8**
North Atlantic	50	100.0	31	62.0	19	38.0	147	100.0	117	79.6	30	20.4
Midwestern	53	100.0	27	50.9	26	49.1	144	100.0	121	84.0	23	16.0
Southern	24	100.0	7	29.2	17	70.8	91	100.0	72	79.1	19	20.9
Western	73	100.0	50	68.5	23	31.5	146	100.0	124	84.9	22	15.1

[1] Includes American Samoa, Guam, Puerto Rico, and the Virgin Islands

[2] Excludes the director of the school

Credentials of Faculty by State (Table PNF-12)

- The states in which the majority of full-time LPN/LVN faculty have graduate preparation are Arizona, California, Hawaii, Kansas, Nevada, Oregon, and Rhode Island.
- The states in which between 40 and 50 percent of the part-time faculty have graduate preparation are Illinois, Kansas, New Hampshire, Pennsylvania, Utah, and Washington.

Table PNF-12

HIGHEST EARNED CREDENTIAL OF FULL-TIME AND PART-TIME NURSE FACULTY IN LPN/LPN PROGRAMS, BY STATE

STATE	TOTAL NUMBER OF PROGRAMS	NUMBER OF PROGRAMS RESPONDING	FULL-TIME NURSE FACULTY						PART-TIME NURSE FACULTY					
			Total	Highest Earned Credential					Total	Highest Earned Credential				
				Doctorate	Master's	Bacca-laureate	Associate Degree	Diploma		Doctorate	Master's	Bacca-laureate	Associate Degree	Diploma
Alabama	23	11	40	0	16	18	1	5	26	0	3	22	0	1
Alaska	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arizona	12	10	30	1	16	13	0	0	28	0	8	18	1	1
Arkansas	29	18	18	0	1	6	2	9	7	0	0	2	2	3
California	88	53	189	3	100	74	7	5	124	2	25	78	10	9
Colorado	14	8	19	0	3	16	0	0	11	0	4	6	0	1
Connecticut	10	7	32	0	8	24	0	0	14	0	1	11	0	2
Delaware	3	3	17	0	8	9	0	0	6	0	1	5	0	0
District of Columbia	3	0	—	—	—	—	—	—	—	—	—	—	—	—
Florida	35	24	137	0	35	68	8	26	61	0	6	41	6	8
Georgia	44	20	51	0	5	17	7	22	10	0	0	7	3	0
Hawaii	4	3	15	0	10	5	0	0	0	0	0	0	0	0
Idaho	8	2	3	0	0	2	0	1	0	0	0	0	0	0
Illinois	41	27	157	2	72	75	1	7	47	1	22	21	0	3
Indiana	19	17	51	0	11	40	0	0	35	0	6	23	2	4
Iowa	27	14	41	0	8	20	1	12	34	0	1	17	4	12
Kansas	17	11	50	0	31	19	0	0	12	0	5	7	0	0
Kentucky	17	9	39	0	1	30	3	5	22	0	1	16	1	4
Louisiana	37	17	69	0	2	41	0	26	7	0	1	5	1	0
Maine	5	3	15	0	0	9	0	6	4	0	0	4	0	0
Maryland	18	11	27	0	10	15	1	1	9	0	2	6	0	1
Massachusetts	23	15	72	0	23	47	0	2	29	0	6	22	1	0
Michigan	33	24	127	1	53	51	6	16	66	0	9	40	7	10
Minnesota	27	20	47	0	10	28	1	8	43	0	4	20	3	16
Mississippi	12	2	7	0	2	5	0	0	11	0	0	10	1	0
Missouri	35	25	67	0	4	28	7	28	16	0	1	7	2	6
Montana	5	2	6	0	0	6	0	0	0	0	0	0	0	0
Nebraska	8	8	47	0	1	31	0	15	37	0	2	29	0	6
Nevada	4	1	1	0	1	0	0	0	0	0	0	0	0	0
New Hampshire	5	5	16	0	5	11	0	0	12	1	5	6	0	0
New Jersey	31	12	55	0	16	24	4	11	42	0	3	26	7	6
New Mexico	9	7	30	0	21	9	0	0	2	0	0	2	0	0
New York	92	48	200	0	69	100	9	22	150	0	29	80	13	28
North Carolina	26	19	43	0	10	29	0	4	15	0	2	12	0	1
North Dakota	7	5	14	0	3	6	0	5	2	0	0	0	0	2
Ohio	43	30	94	0	12	56	3	23	65	0	3	49	3	10
Oklahoma	27	16	31	0	6	17	3	5	11	0	1	7	1	2
Oregon	12	11	69	1	55	12	0	1	28	0	12	16	0	0
Pennsylvania	56	49	179	1	51	107	4	16	96	0	4	80	1	11
Rhode Island	1	1	15	0	8	7	0	0	1	0	1	0	0	0
South Carolina	34	2	50	0	4	35	2	9	17	0	3	13	1	0
South Dakota	3	1	1	0	0	1	0	0	2	0	0	0	0	2
Tennessee	25	16	50	0	2	10	17	21	4	0	0	1	1	2
Texas	121	71	186	1	38	90	16	41	29	0	2	17	5	5
Utah	6	6	29	1	4	17	4	3	15	3	3	4	4	1
Vermont	3	3	12	0	0	8	0	4	7	0	0	5	2	0
Virginia	57	29	81	0	12	38	5	26	20	0	1	15	1	3
Washington	25	17	64	0	27	30	0	7	48	0	21	22	1	4
West Virginia	19	12	28	0	5	10	7	6	11	0	1	7	2	1
Wisconsin	11	5	15	0	5	10	0	0	7	0	0	7	0	0
Wyoming	7	6	14	0	5	8	0	1	3	0	0	1	0	2
American Samoa	1	1	4	0	0	2	0	2	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Puerto Rico	24	4	36	0	4	21	1	10	7	0	1	5	1	0
Virgin Islands	1	—	—	—	—	—	—	—	—	—	—	—	—	—
TOTAL	1,245	757	2,690	11	793	1,355	120	411	1,253	7	200	792	87	167

FACULTY CHARACTERISTICS

Ethnic Background of Administrators (Table PNF-13)

- Of LPN/LVN program administrators responding to the survey, 9.5 percent are from an ethnic minority group.
- Compared with other regions, the West has the highest percentage of administrators from an ethnic minority group, while the North Atlantic region has the lowest.

Table PNF-13

ETHNIC BACKGROUND OF ADMINISTRATORS IN LPN/LVN PROGRAMS, BY NLN REGION

NLN REGION[1]	NUMBER OF ADMINISTRATORS		ETHNIC BACKGROUND OF ADMINISTRATORS									
			American Indian or Alaskan Native		Asian or Pacific Islander		Black Non-Hispanic		Hispanic		White Other than Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Regions	**377**	**100.0**	**4**	**1.1**	**5**	**1.3**	**23**	**6.1**	**4**	**1.1**	**341**	**90.5**
North Atlantic	81	100.0	1	1.2	0	0.0	2	2.5	1	1.2	77	95.1
Midwestern	114	100.0	1	0.9	1	0.9	6	5.3	0	0.0	106	93.0
Southern	101	100.0	1	1.0	1	1.0	10	9.9	1	1.0	88	87.1
Western	81	100.0	1	1.2	3	3.7	5	6.2	2	2.5	70	86.4

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands

Ethnic Background of Faculty (Tables PNF-14 and PNF-15)

- Of all LPN/LVN faculty members, approximately 12 percent of full-time faculty and 9 percent of part-time faculty are from ethnic minority groups.
- Compared with other regions, the South had the greatest percentages of both full-time and part-time black and Hispanic faculty, with 9 percent full-time and 8 percent part-time black faculty and 6 percent full-time and 6 percent part-time Hispanic faculty.
- The Midwest had the highest percentage of white, non-Hispanic full-time faculty (92%), and the South had the lowest (84%).
- Asian and Pacific Islanders represented approximately 1 percent of both full-time and part-time LPN/LVN faculty.

Table PNF-14

ETHNIC BACKGROUND OF FULL-TIME FACULTY IN LPN/LVN PROGRAMS, BY NLN REGION

NLN REGION[1]	NUMBER OF FULL-TIME FACULTY[2]		ETHNIC BACKGROUND OF FACULTY									
			American Indian or Alaskan Native		Asian or Pacific Islander		Black Non-Hispanic		Hispanic		White Other than Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Regions	**3,040**	**100.0**	**8**	**0.3**	**31**	**1.0**	**239**	**7.8**	**97**	**3.1**	**2,675**	**87.7**
North Atlantic	688	100.0	0	0.0	2	0.3	56	8.1	6	0.9	624	90.7
Midwestern	797	100.0	2	0.3	8	1.0	54	6.8	3	0.4	730	91.6
Southern	1,040	100.0	1	0.1	3	0.3	95	9.1	67	6.4	874	84.0
Western	524	100.0	5	1.0	18	3.6	34	6.9	20	4.0	447	90.1

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands

[2] Excludes administrator of the nursing program

Table PNF-15
ETHNIC BACKGROUND OF PART-TIME FACULTY IN LPN/LVN PROGRAMS, BY NLN REGION

NLN REGION[1]	NUMBER OF PART-TIME FACULTY		ETHNIC BACKGROUND OF FACULTY									
			American Indian or Alaskan Native		Asian or Pacific Islander		Black Non-Hispanic		Hispanic		White Other than Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Regions	**1,000**	**100.0**	**1**	**0.1**	**12**	**1.2**	**51**	**5.1**	**26**	**2.6**	**919**	**91.8**
North Atlantic	271	100.0	0	0.0	3	1.1	11	4.1	5	1.8	252	93.0
Midwestern	307	100.0	0	0.0	5	1.7	16	5.3	1	0.3	279	92.7
Southern	179	100.0	0	0.0	1	0.6	15	8.4	11	6.1	152	84.9
Western	249	100.0	1	0.4	3	1.2	9	3.6	9	3.6	227	91.2

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Number of Male Faculty (Table PNF-16)

- Men constituted 1.7 percent of all full-time and 7.4 percent of all part-time LPN/LVN faculty.
- For both full-time and part-time faculty, the highest percentages of male faculty were in the West (4.4% and 16.1%, respectively).

Table PNF-16
FULL-TIME AND PART-TIME MALE FACULTY IN LPN/LVN PROGRAMS, BY NLN REGION

NLN REGION	FULL-TIME FACULTY				PART-TIME FACULTY			
	Total		Male Faculty		Total		Male Faculty	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Regions	**3,065**	**100.0**	**53**	**1.7**	**913**	**100.0**	**68**	**7.4**
North Atlantic	695	100.0	3	4.3	234	100.0	12	5.1
Midwestern	835	100.0	10	2.0	296	100.0	10	3.4
Southern	1,039	100.0	18	1.7	172	100.0	12	7.0
Western	496	100.0	22	4.4	211	100.0	34	16.1

FACULTY WORKLOAD

Faculty Workload—Number of Hours per Week (Table PNF-17)

- Each week LPN/LVN faculty spend approximately 10 hours in classroom and 18 hours in clinical teaching. An additional 14 hours are spent each week in advisement and counseling, preparation, professional activity, committee work, research, and nursing practice (other than teaching).
- Faculty in the South reported the greatest number of hours spent in classroom teaching per week—a mean of 12.1 hours. Faculty in the West reported the least time in classroom teaching—a mean of 7.2 hours per week.
- Faculty in the North Atlantic and Southern regions spent an average of approximately 18 to 19 hours a week in clinical teaching—the highest regional means. Faculty in the Midwest and West had lower regional means for clinical teaching (16.7 hours for both regions).
- After classroom and clinical teaching, faculty spent the most time in preparation (mean of 7 hours per week), followed by advisement and counseling and professional activities, which had means of 2.9 and 1.8 hours respectively per week. Committee work and nursing practice each occupied on the average slightly more than 1 hour per week.

Table PNF-17

FACULTY WORKLOAD—NUMBER OF HOURS PER WEEK FOR A TYPICAL FACULTY MEMBER IN LPN/LVN PROGRAMS, BY NLN REGION

FACULTY ACTIVITY	ALL REGIONS			NORTH ATLANTIC		MIDWESTERN		SOUTHERN		WESTERN	
	Mean	Standard Deviation	Range	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation
Classroom teaching	10.0	7.0	0-40	10.8	7.1	8.5	4.7	12.1	8.1	7.2	5.3
Clinical teaching	18.1	16.7	0-40	18.1	7.2	16.7	5.3	19.3	8.4	16.7	4.9
Advisement and counseling	2.9	2.6	0-30	2.5	1.9	2.9	2.3	3.0	3.2	3.1	2.3
Preparation	7.0	4.7	0-40	8.2	4.0	7.5	4.8	6.7	4.6	7.5	5.0
Nursing practice	1.1	3.7	0-30	0.9	3.1	0.5	2.0	1.5	4.8	1.2	3.1
Research	0.3	1.1	0-12	0.4	1.4	0.2	1.0	0.3	1.2	0.4	1.0
Committee work	1.4	2.6	0-48	1.1	1.8	1.2	1.6	1.6	3.4	1.5	2.2
Professional activities	1.8	2.4	0-34	1.6	2.2	1.9	3.2	1.8	2.1	1.9	1.7
Total faculty hours	42.2	13.5	7-96	41.7	12.4	39.4	9.4	46.3	16.5	39.6	9.8

Faculty Workload—Number of Students (Table PNF-18)

- The average LPN/LVN faculty member saw 24.9 students in the classroom, 11.5 students in the clinical area, and 7.9 students for advisement and counseling per week (means).
- The North Atlantic had the highest number of students in the classroom, with a mean of 30.6 students and a standard deviation of 20.3.
- The lowest number of students in the classroom was reported in the South—a mean of 21 students per week.
- The mean number of students in the clinical area ranged across regions from 10.1 to 12.6 students per faculty member.

Table PNF-18

FACULTY WORKLOAD—NUMBER OF STUDENTS PER WEEK FOR A TYPICAL FACULTY MEMBER IN LPN/LVN PROGRAMS, BY NLN REGION

FACULTY ACTIVITY	ALL REGIONS		NORTH ATLANTIC		MIDWESTERN		SOUTHERN		WESTERN	
	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation
Classroom teaching	24.9	15.0	30.6	20.3	25.8	14.2	21.0	11.2	26.0	13.9
Clinical teaching	11.5	7.5	12.6	10.6	10.1	6.6	11.6	6.5	12.2	6.2
Advisement and counseling	7.9	8.5	7.0	8.4	7.1	5.7	8.7	10.6	8.3	6.4

COMPUTER TECHNOLOGY

Computer Technology and Applications (Table PNF-19 to PNF-21)

- Tables PNF-19 to PNF-21 present information on the use of computer technology and its applications in LPN/LVN education. These questions were asked on a one-time basis to explore a topic of current interest.

- Sixty percent of the responding programs reported that at least a few faculty members attended continuing education programs on computer technology or applications (Table PNF-19).

- Thirty-six percent of the programs reported that at least a few faculty members integrated computer applications into nursing courses (Table PNF-19).

- Courses in computer applications were required by 10.7 percent of the responding LPN programs. Another 22.3 percent had courses available for students (data do not appear in table).

- Nine percent of the programs reported having nurse faculty teaching computer applications. Six percent of programs report having non-nurse faculty teaching computer applications (Table PNF-20).

- The majority of nursing programs reported that their recent alumni and current students are not or would not be prepared to use computer technology in their nursing practice. Only 12 percent of programs reported that most of their current students would be prepared to use computers, and 8 percent of the programs reported that most of their 1985 graduates were prepared to use computer technology in their practice (Table PNF-21).

Table PNF-19
INVOLVEMENT OF LPN/LVN FACULTY IN COMPUTER APPLICATIONS

INVOLVEMENT WITH COMPUTER TECHNOLOGY/APPLICATIONS	NUMBER OF RESPONDING PROGRAMS	PERCENT OF PROGRAMS RESPONDING			
		No Faculty	A Few Faculty	Some Faculty	Most Faculty
Attendance at an educational program on computer technology during 1985-86	742	30.2	26.4	12.8	30.6
Integration of computer applications into nursing courses	744	63.8	19.9	9.4	6.9

Table PNF-20
PERCENT OF LPN/LVN PROGRAMS REPORTING FACULTY TEACHING COMPUTER APPLICATIONS

NUMBER OF FACULTY	PERCENT OF PROGRAMS RESPONDING	
	Nurse Faculty	Non-Nurse Faculty
None	90.8	93.6
1	6.8	4.2
2	1.9	1.2
3	0.1	0.4
4	0.4	0.1
5	0.0	0.4
Total	100.0	100.0

Table PNF-21
PERCENT OF LPN/LVN PROGRAMS REPORTING ALUMNI AND STUDENTS PREPARED TO USE COMPUTER TECHNOLOGY IN THEIR NURSING PRACTICE AFTER GRADUATION

STUDENTS	PERCENT OF PROGRAMS RESPONDING			
	None	A Few Students	Some Students	Most Students
Current students	61.7	17.3	8.6	12.4
Graduates in 1985	72.1	15.4	4.6	7.9

SALARIES IN LPN/LVN EDUCATION

- This section presents information about the salaries of administrators and full-time faculty in LPN/LVN education programs. Salaries are presented according to highest earned credential, NLN region, and type of institutional support.

- *Data Collection:* Each program was asked to provide the following information for the 1985-86 academic year: (a) total number of full-time faculty, (b) number of full-time faculty per academic year and calendar year, (c) range of salaries from highest to lowest, and (d) mean (arithmetic) salary by faculty rank and highest credential.

- *Academic Year versus Calendar Year:* These salary tables present separate data for calendar year and academic year salaries. Patterns of faculty appointment vary greatly among schools. Academic year appointments are usually made for 9 to 10 months. Appointments for a calendar year are usually for 11 months (with one month vacation per year).

- LPN/LVN programs are located in a variety of types of organizations. The salaries of LPN/LVN administrators and faculty reflect the salary scale of the parent organization, which may be a four-year college, two-year community or junior college, hospital, adult vocational program, or secondary school. Moreover, each of these organizational types may have either public or private financial support.

Salaries in LPN/LVN Education (Table PNF-22 to PNF-24)

- Administrators and faculty with doctoral preparation earn higher salaries on the average than those with other academic credentials (Table PNF-22).

- In general, the average calendar-year salaries are not higher than academic-year salaries, except for those of chief administrators. For some categories, such as instructors with a baccalaureate as their highest credential, the standard deviation is greater for calendar-year appointments (Table PNF-22).

- There appears to be no consistent pattern among salaries by region for any of the faculty positions, either for academic- or calendar-year salaries.

- Most LPN/LVN programs are in institutions that receive their support from the public sector. In general, mean salaries are higher in institutions with public financial support (Table PNF-24).

Table PNF-22

MEAN SALARIES OF LPN/LVN ADMINISTRATORS AND FACULTY, BY ACADEMIC AND CALENDAR YEAR APPOINTMENT

RANK AND HIGHEST CREDENTIAL	ACADEMIC YEAR			CALENDAR YEAR		
	Number	Mean	Standard Deviation	Number	Mean	Standard Deviation
CHIEF ADMINISTRATOR						
Doctorate	11	$32,282	$10,791	30	$37,500	$6,318
Master's (nursing)	58	30,900	7,397	67	33,197	5,910
Master's (non-nursing)	73	30,482	7,520	103	33,803	6,715
Other	155	27,287	6,206	180	29,513	2,195
ASSOCIATE/ASSISTANT ADMINISTRATOR						
Doctorate	*	*	*	*	*	*
Master's (nursing)	11	30,460	6,694	8	28,638	3,480
Master's (non-nursing)	7	27,671	5,495	14	32,323	5,405
Other	18	29,975	6,662	28	30,194	5,774
DEPARTMENT HEAD/COORDINATOR						
Doctorate	*	*	*	*	*	*
Master's (nursing)	40	28,864	6,387	19	28,744	3,975
Master's (non-nursing)	57	30,308	6,658	39	29,769	6,100
Baccalaureate	86	25,048	4,833	94	25,916	5,001
Other	68	18,787	8,120	71	21,806	1,505
INSTRUCTOR						
Doctorate	*	*	*	*	*	*
Master's (nursing)	125	25,766	5,714	70	25,970	4,958
Master's (non-nursing)	195	23,946	12,510	232	23,531	13,314
Baccalaureate	162	21,768	10,019	512	23,195	14,759
Other	189	24,359	8,050	246	21,351	14,059
ASSISTANT INSTRUCTOR/ OTHER RANK						
Doctorate	0	—	—	0	—	—
Master's (nursing)	16	26,680	4,936	*	*	*
Master's (non-nursing)	11	29,386	3,699	*	*	*
Baccalaureate	30	21,218	6,244	14	23,850	1,679
Other	32	26,494	5,901	17	23,286	4,571

*Too few data to warrant publication

Table PNF-23

MEAN SALARIES OF LPN/LVN ADMINISTRATORS AND FACULTY, BY NLN REGION

RANK AND HIGHEST CREDENTIAL	ACADEMIC YEAR APPOINTMENT				CALENDAR YEAR APPOINTMENT			
	North Atlantic	Midwestern	Southern	Western	North Atlantic	Midwestern	Southern	Western
CHIEF ADMINISTRATOR								
Doctorate	$36,210	$34,051	$36,750	*	$43,329	$45,536	$41,364	$49,788
Master's (nursing)	*	33,000	*	$34,309	*	34,583	35,650	*
Master's (non-nursing)	*	*	*	*	33,446	33,563	33,129	36,742
Other	29,943	28,180	25,219	28,286	27,125	29,000	30,524	27,667
ASSOCIATE/ASSISTANT ADMINISTRATOR								
Doctorate	*	*	*	*	—	*	—	*
Master's (nursing)	—	*	—	*	—	27,700	*	*
Master's (non-nursing)	*	*	*	*	33,500	—	31,050	*
Other	*	*	*	*	*	*	*	—
DEPARTMENT HEAD/COORDINATOR								
Doctorate	—	—	—	*	—	—	*	*
Master's (nursing)	*	26,738	30,029	28,062	28,617	*	29,100	*
Master's (non-nursing)	31,500	28,133	28,030	32,280	28,992	29,982	30,413	30,225
Baccalaureate	25,040	22,213	25,860	27,690	27,075	25,932	24,983	26,957
Other	22,440	23,911	25,764	26,920	24,197	23,294	23,177	*
INSTRUCTOR								
Doctorate	*	*	*	*	—	—	—	*
Master's (nursing)	26,308	24,078	23,867	26,417	26,840	26,914	24,767	25,891
Master's (non-nursing)	23,649	27,567	22,957	21,236	25,823	27,746	20,373	23,244
Baccalaureate	22,535	21,945	22,054	21,150	23,180	25,252	21,853	23,976
Other	25,700	24,631	22,838	25,815	23,680	22,465	19,460	25,167
ASSISTANT INSTRUCTOR/ OTHER RANK								
Doctorate	—	—	—	—	—	—	—	—
Master's (nursing)	23,400	*	*	*	*	*	*	*
Master's (non-nursing)	29,300	*	*	*	*	*	*	*
Baccalaureate	19,350	*	*	*	*	*	*	*
Other	23,174	*	*	*	*	*	*	*

*Too few data to warrant publication.

Table PNF-24

MEAN SALARIES OF LPN/LVN ADMINISTRATORS AND FACULTY, BY TYPE OF INSTITUTIONAL SUPPORT

RANK AND HIGHEST CREDENTIAL	ACADEMIC YEAR APPOINTMENT			CALENDAR YEAR APPOINTMENT		
	Public	Private Secular	Private Religious	Public	Private Secular	Private Religious
CHIEF ADMINISTRATOR						
Doctorate	$32,282	—	—	$37,500	—	—
Master's (nursing)	31,031	*	—	33,627	$29,967	*
Master's (non-nursing)	30,836	*	—	33,863	33,700	*
Other	26,466	$35,500	—	29,942	27,182	*
ASSOCIATE/ASSISTANT ADMINISTRATOR						
Doctorate	*	*	—	*	—	—
Master's (nursing)	30,460	*	—	28,743	*	—
Master's (non-nursing)	27,200	*	—	32,109	*	*
Other	28,967	*	—	*	—	—
DEPARTMENT HEAD/COORDINATOR						
Doctorate	*	—	—	*	—	—
Master's (nursing)	29,317	*	—	29,019	—	*
Master's (non-nursing)	30,939	*	—	29,984	—	*
Baccalaureate	24,905	*	—	26,269	23,120	*
Other	23,146	*	—	20,534	*	*
INSTRUCTOR						
Doctorate	*	—	—	—	*	—
Master's (nursing)	25,757	*	—	27,039	21,229	*
Master's (non-nursing)	19,810	*	—	23,187	18,983	*
Baccalaureate	22,285	16,709	—	22,216	24,186	*
Other	24,480	22,963	—	21,793	16,170	*
ASSISTANT INSTRUCTOR/ OTHER RANK						
Doctorate	—	—	—	—	—	—
Master's (nursing)	23,400	*	*	*	*	*
Master's (non-nursing)	27,710	*	—	23,619	*	*
Baccalaureate	20,174	*	—	*	*	*
Other	23,482	—	—	*	*	*

*Too few data to warrant publication

NURSING DATA REVIEW 1986

. . . the comprehensive sourcebook compiling all the research data from *Nursing Student Census with Policy Implications 1985* and *Nurse Faculty: Socioeconomic Trends 1986, plus* complete, previously unpublished statistics and long-range trends on faculty and students in practical and vocational nursing programs.

Covering both RN and LPN/LVN programs, **Nursing Data Review 1986** includes:

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Preface

Nursing Data Review 1987 offers an overview and summary of the League's recent research activities. These data were compiled by the Division of Research and report the findings of two major surveys: the annual survey of state-approved schools of nursing (1985-86) and the biennial survey of nurse faculty (1986).

In order to disseminate our research findings as soon as they become available, NLN has instituted a module format. Each module covers the results of a particular study, and the *Nursing Data Review* combines several modules together with additional, previously unpublished data. *Nursing Student Census with Policy Implications* is the module that provides trend data over 10 to 20 years on admissions, enrollments, and graduations, as well as other pertinent information regarding RN and graduate nursing programs. *Nurse Faculty: Socioeconomic Trends,* our second module, reports numbers, salaries, workload, credentials, and other topics concerning nursing faculty

Results of the annual survey are also included in NLN's *State-Approved Schools of Nursing—RN 1987* and *State-Approved Schools of Nursing—LPN/LVN 1987.* In addition, federal and state government agencies and individuals from the private sector have used the survey findings in projecting the supply of and demand for nursing personnel.

We hope the new format will provide our readers with data in a more timely and readable manner. We thank the nursing schools, state boards, and individuals who have helped make this research publication possible.

Peri Rosenfeld, PhD
Director of Research
Division of Research

Contents

Preface . . . iii
Definition of Terms . . . xvii
Jurisdictions Included in the NLN Regions . . . xviii
Time Periods Used in Statistical Data . . . xviii

RN STUDENTS

Summary and Results of Nursing Student Census—1986 . . . 1

BASIC NURSING EDUCATION . . . 3

Basic RN Education . . . 5

Basic RN Programs . . . 5
Table 1. Basic RN Programs and Percentage Change from Previous Year, by Type of Program: 1967 to 1986 . . . 5

RN Programs, by Source of Funding . . . 6
Table 2. Public and Private Basic RN Programs, by Type of Program: 1977 to 1986 . . . 6

RN Programs, by Region and State . . . 7
Table 3. All Basic RN Programs, by NLN Region and State: 1977 to 1986 . . . 8
Table 4. Baccalaureate Nursing Programs, by NLN Region and State: 1977 to 1986 . . . 9
Table 5. Associate Degree Nursing Programs, by NLN Region and State: 1977 to 1986 . . . 10
Table 6. Diploma Nursing Programs, by NLN Region and State: 1977 to 1986 . . . 11

Baccalaureate Nursing Programs: Accreditation Status . . . 12
Table 7. Baccalaureate Nursing Programs That Enroll Basic and/or RN Students, by NLN Accreditation Status: January 1987 . . . 12

Basic Nursing Programs: Accreditation and State Data . . . 13
Table 8. Basic RN Programs, by Type of Program and NLN Accreditation Status: January 1987 . . . 14

Tuitions . . . 15

RN Programs: Tuitions . . . 15
Table 9. Mean Annual Tuitions of Full-Time Students in Public or Private Basic RN Programs, by NLN Region and State: 1986-87 . . . 16

Table 10. Mean Annual Tuitions of Full-Time Students in Public or Private Baccalaureate Nursing Programs, by NLN Region and State: 1986-87 17

Table 11. Mean Annual Tuitions of Full-Time Students in Public or Private Associate Degree Nursing Programs, by NLN Region and State: 1986-87 18

Table 12. Mean Annual Tuitions of Full-Time Students in Public or Private Diploma Nursing Programs, by NLN Region and State: 1986-87 19

Admissions 20

Fall Admissions, by Type of Financial Support 20

Table 13. Fall Admissions to Public and Private Basic RN Programs, by Type of Program: 1977 to 1986 20

Annual Admissions to Basic RN Programs 21

Table 14. Annual Admissions to Basic RN Programs and Percentage of Change from Previous Year, by Type of Program: 1966-67 to 1985-86 22

Table 15. Annual Admissions to Public and Private Basic RN Programs, by Type of Program: 1976-77 to 1985-86 22

Table 16. Annual Admissions to All Basic RN Programs, by NLN Region and State: 1976-77 to 1985-86 23

Table 17. Annual Admissions to Baccalaureate Nursing Programs, by NLN Region and State: 1976-77 to 1985-86 24

Table 18. Annual Admissions to Associate Degree Nursing Programs, by NLN Region and State: 1976-77 to 1985-86 25

Table 19. Annual Admissions to Diploma Nursing Programs, by NLN Region and State: 1976-77 to 1985-86 26

Table 20. Admissions to Basic RN Programs, by Type of Program and NLN Accreditation Status: August 1, 1985 to July 31, 1986 27

Enrollments 28

Enrollments in Basic RN Programs 28

Table 21. Enrollments in Basic RN Programs and Percentage Change from Previous Year, by Type of Program: 1967 to 1986 29

Table 22. Enrollments in Public and Private Basic RN Programs, by Type of Program: 1977 to 1986 29

Table 23. Total Enrollments in All Basic RN Programs, by NLN Region and State: 1977 to 1986 30

Table 24. Total Enrollments in Baccalaureate Nursing Programs, by NLN Region and State: 1977 to 1986 31

Table 25. Total Enrollments in Associate Degree Nursing Programs, by NLN Region and State: 1977 to 1986 32

Table 26. Total Enrollments in Diploma Nursing Programs, by NLN Region and State: 1977 to 1986 33

Table 27. Enrollments in Accredited and Non-Accredited Programs by NLN Region and State and Type of Program: 1986 34

Enrollments of RNs in Baccalaureate Nursing Programs 35

Table 28. Generic and RN Student Enrollments in Baccalaureate Nursing Programs: 1977 to 1986 36

Table 29. Full-Time and Part-Time Enrollments of Basic and RN Students in Baccalaureate Nursing Programs: 1982 to 1986 36

Table 30. Total Enrollments in Baccalaureate Nursing Programs, by NLN Region and State: 1982 to 1986 37

Graduations 38

Graduations from Basic RN Programs 38

Table 31. Graduations from Basic RN Programs and Percentage Change from Previous Year, by Type of Program: 1966-67 to 1985-86 39

Table 32. Graduations from Public and Private Basic RN Programs, by Type of Program: 1976-77 to 1985-86 39

Table 33. Graduations from All Basic RN Programs, by NLN Region and State: 1976-77 to 1985-86 40

Table 34. Graduations from Basic Baccalaureate Nursing Programs, by NLN Region and State: 1976-77 to 1985-86 41

Table 35. Graduations from Associate Degree Nursing Programs, by NLN Region and State: 1976-77 to 1985-86 42

Table 36. Graduations from Diploma Nursing Programs, by NLN Region and State: 1976-77 to 1985-86 43

Table 37. Graduations from Accredited and Non-Accredited Programs, by NLN Region and State and Type of Program: 1985-86 44

Graduations of RNs from Baccalaureate Nursing Programs 45

Table 38. Basic and RN Student Graduations from Baccalaureate Nursing Programs: 1976-77 to 1985-86 46

Table 39. Graduations of Registered Nurses from Baccalaureate Nursing Programs, by Previous Basic Nursing Education and Region: 1981-82 to 1985-86 46

Table 40. Total Graduations from Baccalaureate Nursing Programs, by NLN Region and State: 1982 to 1986 47

Men and Minority Students 48

Admissions of Men and Minority Students 48

Table 41. Admissions of Men and Minority Students to All Basic RN Programs, by NLN Region and States: 1985-86 49

Table 42. Admissions of Men and Minority Students to Baccalaureate Programs, by NLN Region and State: 1985-86 50

Table 43. Admissions of Men and Minority Students to Associate Degree Programs, by NLN Region and State: 1985-86 51

Table 44. Admissions of Men and Minority Students to Diploma Programs, by NLN Region and State: 1985-86 52

Table 45. Trends in Admissions of Men and Minority Students in Basic RN Programs, 1978 to 1986 53

Enrollments of Men and Minority Students 54

Table 46. Enrollments of Men and Minority Students in all Basic RN Programs, by NLN Region and State: 1985-86 55

Table 47. Enrollments of Men and Minority Students in Baccalaureate Programs, by NLN Region and State: 1985-86 56

Table 48. Enrollments of Men and Minority Students in Associate Degree Programs, by NLN Region and State: 1985-86 57

Table 49. Enrollments of Men and Minority Students in Diploma Programs, by NLN Region and State: 1985-86 58

Table 50. Trends in Enrollments of Men and Minority Students in Basic RN Programs, 1978 to 1986 59

Graduations of Men and Minority Students 59

Table 51. Graduations of Men and Minority Students from all Basic RN Programs, by NLN Region and State: 1985-86 60

Table 52. Graduations of Men and Minority Students from Baccalaureate Programs, by NLN Region and State: 1985-86 61

Table 53. Graduations of Men and Minority Students from Associate Degree Programs, by NLN Region and State: 1985-86 62

Table 54. Graduations of Men and Minority Students from Diploma Programs, by NLN Region and State: 1985-86 63

Table 55. Trends in Graduations of Men and Minority Students in Basic RN Programs, 1978 to 1986 64

HIGHER DEGREE NURSING EDUCATION

Doctoral Programs in Nursing 67

Doctoral Programs in Nursing 67

Table 56. Doctoral Programs in Nursing Located in Nursing Education Departments: 1977 to 1986 68

Table 57. Enrollments and Percentage Change from Previous Year of Nurses in Doctoral Programs Located in Nursing Education Departments: 1967 to 1986 69

Table 58. Enrollments of Registered Nurses in Doctoral Programs Located in Nursing Education Departments: 1977 to 1986 70

Graduations from Doctoral Nursing Programs 71

Table 59. Graduations of Registered Nurses from Doctoral Programs Located in Nursing Education Departments: 1976-77 to 1985-86 72

Master's Programs in Nursing 73

Master's Programs in Nursing 73

Table 60. Master's Programs in Nursing, by NLN Region and State: 1977 to 1986 74

Enrollments of Nurses in Master's Programs 75

Table 61. Enrollments of Nurses in Master's Programs and Percentage in NLN-Accredited Programs: 1967 to 1986 76

Table 62. Enrollments of Nurses in Master's Programs, Percentage Change from Previous Year, and Percentage Enrolled Full Time, by NLN Region: 1967 to 1986 76

Table 63. Enrollments of Registered Nurses in Master's Programs in Nursing, by NLN Region and State: 1977 to 1986 77

Full-Time Enrollments in Master's Programs, by Functional Area 78

Table 64. Full-Time Enrollments of Nurses in Master's Programs, by Functional Area of Study: 1977 to 1986 78

Full-Time Enrollments in Master's Programs, by Nursing Content Area 79

Table 65. Full-Time Enrollments in Advanced Clinical Practice, by Nursing Content Area: 1977 to 1986 79

Table 65a. Full-Time Enrollments in Teaching, by Nursing Content Area: 1985-86 79

Part-Time Enrollments in Master's Programs, by Functional Area of Study 80

Table 66. Part-Time Enrollments of Nurses in Master's Programs, by Functional Area of Study: 1977 to 1986 80

Part-Time Enrollments in Master's Programs, by Nursing Content Area 81

Table 66a. Part-Time Enrollments of Nurses in Advanced Clinical Practice, by Nursing Content Area:1985-86 81

Table 66b. Part-Time Enrollments of Nurses in Teaching, by Nursing Content Area: 1985-86 81

Graduations from Master's Programs 82

Table 67. Graduations from Master's Programs and Percentage Change from Previous Year, by NLN Region: 1966-67 to 1985-86 82

Table 68. Graduations of Registered Nurses from Master's Programs in Nursing, by NLN Region and State: 1976-77 to 1985-86 83

Graduations from Master's Programs, by Functional Area 84

Table 69. Graduations of Nurses from Master's Programs, by Functional Area of Study: 1976-77 to 1985-86 84

Graduations from Master's Programs, by Nursing Content Area 84

Table 70. Graduations of Nurses from Master's Programs, by Nursing Content Area: 1976-77 to 1985-86 85

Ratio of Graduations from Master's Programs to Graduations from Baccalaureate Programs 85

Table 71. Ratio of Graduations from Master's Programs to Graduations from Baccalaureate Programs in Nursing: 1966-67 to 1985-86 85

Enrollments and Graduations of Men and Minority Students in Master's Programs 86

Table 72. Enrollments and Graduations of Men and Minority Students in Master's Programs, by NLN Region, 1986 86

RN FACULTY

Summary and Results of Nurse Faculty Census 87

Program Information 90

Table 1. Number of Nursing Education Programs, by NLN Region 90

Table 2. Number of Nursing Education Programs, by State 91

Number of Faculty and Unfilled Positions 93

Table F-1. Total Number of Full-Time and Part-Time Faculty, by Type of Program and State: All Generic and Non-Generic Programs 93

Table F-2. Change in Number of Full-Time and Part-Time Faculty and Unfilled Positions, by Type of Program: 1970-1986 95

Figure F-1. Number of Nursing Education Programs, by Program Type 97

Figure F-2. Total Number of Full-Time and Part-Time Faculty in All Nursing Education Programs ... 98

Figure F-3. Number of Full-Time Faculty, by Program Type 99

Figure F-4. Number of Part-Time Faculty, by Program Type 100

Figure F-5. Ratio of Full-Time to Part-Time Faculty, by Program Type 101

Table F-3. Estimated Number of Full-Time and Part-Time Faculty and Unfilled Positions and Percent Change, by Type of Program: 1970-1986 102

Table F-4. Estimated Number and Percent of Nurse and Non-Nurse Faculty, by Type of Program and Region 104

Table F-5. Mean Number of Full-Time and Part-Time Nurse Faculty per Program, 1968-1986 105

Figure F-6. Mean Number of Full-Time Faculty, by Program Type 106

Figure F-7. Mean Number of Part-Time Faculty, by Program Type 107

Table F-6. Unfilled Nurse Faculty Budgeted Positions Per 100 Full-Time Faculty, by NLN Region: 1976-1986 108

Table F-7. Percent of Unfilled Positions by Program Type and Clinical Specialization 109

Table F-8. Assignment of Full-Time Faculty to Baccalaureate or Graduate Teaching, by Region: 1976-1986 110

Table F-9. Role of Part-Time Faculty, by Type of Program: Percent in Each Teaching Role 111

Highest Earned Credentials 112

Table F-10. Highest Earned Credential of Nursing Education Administrators, by Type of Program: 1968-1986 112

Figure F-8. Highest Earned Credentials of Administrators by Program Type: 1986 114
A. Baccalaureate and Higher Degree Programs
B. Associate Degree Programs
C. Diploma Programs

Table F-11. Highest Earned Credential of Associate/Assistant Administrators, by Type of Program 115

Table F-12. Highest Earned Credential of Full-Time Nurse Faculty, by Type of Program: 1968-1986 ... 116

Figure F-9. Highest Earned Credential of Full-Time Faculty, by Program Type: 1986 ... 118
A. Baccalaureate and Higher Degree Program
B. Associate Degree Programs
C. Diploma Programs

Table F-13. Highest Earned Credential of Part-Time Nurse Faculty, by Type of Program: 1968-1986 ... 119

Table F-14. Highest Earned Credential of Full-Time Faculty, by NLN Region: 1972-1986 ... 121

Table F-15. Highest Earned Credential of Full-Time and Part-Time Faculty, by State ... 122

Table F-16. Highest Earned Credential of Full-Time Faculty in Accredited and Non-Accredited Programs: 1972-1986 ... 124

Table F-17. Highest Earned Credential of Part-Time Faculty in Accredited and Non-Accredited Programs: 1972-1986 ... 125

Table F-18. Credentials of Full-Time Faculty: Percentage of Nursing and Non-Nursing Degrees, by Type of Program and NLN Region ... 126

Table F-19. Credentials of Part-Time Faculty: Percentage of Nursing and Non-Nursing Degrees, by Type of Program and NLN Region ... 128

Table F-20. Highest Earned Credential of Graduate Faculty, by NLN Region ... 129

Faculty Characteristics ... 130

Table F-21. Ethnic Background of Administrators: Number and Percent, by Type of Program ... 130

Table F-22. Ethnic Background of Full-Time Faculty: Number and Percent, by NLN Region and Type of Program ... 131

Table F-23. Ethnic Background of Part-Time Faculty: Number and Percent, by NLN Region and Type of Program ... 132

Table F-24. Number and Percent of Full-Time Male Faculty, by Type of Program and NLN Region ... 133

Table F-25. Number and Percent of Part-Time Male Faculty, by Type of Program and NLN Region ... 133

Faculty Workload ... 136

Table F-26. Comparison of Faculty Workload, by Type of Program, for Faculty Teaching Basic Students: Mean, Standard Deviation, and Range ... 136

Table F-27. Comparison of Faculty Workload, by Type of Program, for Faculty Teaching Basic Students: Percentiles ... 138

Table F-28. Faculty Workload—Comparison of Hours per Week in Baccalaureate and Higher Degree Programs: Mean, Standard Deviation, and Range, by Level of Teaching ... 139

Table F-29. Faculty Workload—Comparison of Hours per Week in Baccalaureate and Higher Degree Programs: Percentiles, by Level of Teaching ... 140

Table F-30. Faculty Workload—Number of Basic Students per Week for a Typical Full-Time Faculty Member: Mean, Standard Deviation, and Range, by Program Type ... 141

Table F-31. Faculty Workload—Number of Basic Students per Week for a Typical Full-Time Faculty Member: Percentiles by Program Type ... 142

Table F-32. Faculty Workload—Comparison of Number of Students per Week in Baccalaureate and Higher Degree Programs, by Level of Teaching: Mean, Standard Deviation, and Range . . . 143

Table F-33. Faculty Workload—Comparison of Number of Students per Week in Baccalaureate and Higher Degree Programs, by Level of Teaching: Percentiles . . . 145

Table F-34. Faculty Joint Appointments with Clinical Agencies . . . 146

Computer Technology and Applications . . . 147

Table F-35. Percent of Programs Reporting Faculty Attendance at Programs on Computer Technology during 1985-86 . . . 147

Table F-36. Percent of Programs with Faculty Integrating Computer Applications into Nursing Courses . . . 148

Table F-37. Percent of Nursing Programs Employing Faculty to Teach Computer Technology/Applications . . . 149

Table F-38. Computer Courses as Part of Nursing Programs . . . 150

Table F-39. Type of Computer Applications Available, by Type of Nursing Program . . . 151

Table F-40. Programs Reporting Recent Graduates Prepared to Apply Computer Technology in Nursing Practice . . . 152

Table F-41. Programs Reporting Current Nursing Students Will be Prepared to Use Computer Technology in Nursing Practice After Graduation . . . 153

Salaries in Nursing Education . . . 154

Table F-42. Salary of Administrators, by Program Type: Mean Salary by Academic and Calendar Year Appointment . . . 155

Figure F-10. Salary of Chief Administrators of Baccalaureate and Higher Degree Programs . . . 156

Figure F-11. Salary of Chief Administrators of Associate Degree Programs . . . 156

Figure F-12. Salary of Chief Administrators of Diploma Programs . . . 157

Table F-43. Mean Salaries of Full-Time Faculty and Administrators, by Type of Appointment and Program . . . 158

Table F-44. Range of Mean Salaries of Full-Time Faculty and Administrators, by Program Type . . . 160

Table F-45. Mean Salaries of Administrators in Baccalaureate and Higher Degree Programs, by NLN Region . . . 162

Table F-46. Mean Salaries of Faculty in Baccalaureate and Higher Degree Programs, by NLN Region . . . 162

Table F-47. Mean Salaries of Administrators in Associate Degree Programs, by NLN Region . . . 165

Table F-48. Mean Salaries of Faculty in Associate Degree Programs, by NLN Region . . . 165

Table F-49. Mean Salaries of Administrators in Diploma Programs, by NLN Region . . . 167

Table F-50. Mean Salaries of Faculty in Diploma Programs, by NLN Region . . . 167

Table F-51. Mean Salaries of Administrators, by Type of Program and Institutional Support . . . 169

Table F-52. Mean Salaries of Faculty, by Type of Program and Institutional Support . . . 169

Table F-53. Salaries of Chief Administrators of Nursing Education Programs, by AAUP Category 173

Table F-54. Salaries of Baccalaureate and Higher Degree Program Full-Time Faculty Compared with AAUP Salary Category 174

Table F-55. Salaries of Associate Degree Program Full-Time Faculty Compared with AAUP Salary Category 175

PN STUDENTS

Summary and Results of LPN/LVN Student Census 177

LPN/LVN Programs 178

Number of LPN/LVN Programs 178

Table PN-1. LPN/LVN Schools and Programs with Percentage Change from Previous Year, by Type of Program: 1966 to 1985 178

Table PN-2. LPN/LVN Programs, by NLN Region and State: 1976 to 1985 179

LPN/LVN Programs by Source of Funding 180

Table PN-3. LPN/LVN Programs, by NLN Region and Primary Source of Financial Support: 1976 to 1985 180

Administrative Control of LPN/LVN Programs 180

Table PN-4. LPN/LVN Programs, by NLN Region and Type of Administrative Control: 1976 to 1985 181

Admissions 182

Annual Admissions to LPN/LVN Programs 182

Table PN-5. Admissions to LPN/LVN Programs and Percentage Change from Previous Year: 1965-66 to 1984-85 182

Table PN-6. Annual Admissions to LPN/LVN Programs, by NLN Region and State: 1975-76 to 1984-85 183

Table PN-7. Annual Admissions to LPN/LVN Programs, by NLN Region and Primary Source of Financial Support: 1975-76 to 1984-85 184

Table PN-8. Annual Admissions to LPN/LVN Programs, by NLN Region and Type of Administrative Control: 1975-76 to 1984-85 185

Fall Admissions to LPN/LVN Programs 186

Table PN-9. Fall Admissions to LPN/LVN Programs with Percentage Change from Previous Year: 1971 to 1985 186

Table PN-10. Fall Admissions to LPN/LVN Programs, by NLN Region and State: 1976 to 1985 187

Table PN-11. Fall Admissions to LPN/LVN Programs, by NLN Region and Primary Source of Financial Support: 1976 to 1985 188

Table PN-12. Fall Admissions to LPN/LVN Programs, by NLN Region and Type of Administrative Control: 1976 to 1985 189

Enrollments 190

Table PN-13. Enrollments in LPN/LVN Programs with Percentage Change from Previous Year: 1966 to 1985 190

Table PN-14. Enrollments in LPN/LVN Programs, by NLN Region and State: 1976 to 1985 191

Table PN-15. Enrollments in LPN/LVN Programs, by NLN Region and Primary Source of Financial Support: 1976 to 1985 192

Table PN-16. Enrollments in LPN/LVN Programs, by NLN Region and Administrative Control: 1976 to 1985 193

Graduations 194

Table PN-17. Graduations from LPN/LVN Programs with Percentage Change from Previous Year: 1965-66 to 1984-85 194

Table PN-18. Graduations from LPN/LVN Programs, by NLN Region and State: 1975-76 to 1984-85 195

Table PN-19. Graduations from LPN/LVN Programs, by NLN Region and Primary Source of Financial Support: 1975-76 to 1984-85 196

Table PN-20. Graduations from LPN/LVN Programs, by NLN Region and Type of Administrative Control: 1975-76 to 1984-85 197

Men and Minority Students 198

Table PN-21. Admissions of Men and Minority Students to LPN/LVN Programs, by NLN Region and State: 1984-85 199

Table PN-22. Trends in Admissions of Men and Minority Students in LPN/LVN Programs, 1978 to 1985 200

Table PN-23. Enrollments of Men and Minority Students in LPN/LVN Programs, by NLN Region and State: 1985 201

Table PN-24. Trends in Enrollments of Men and Minority Students in LPN/LVN Programs, 1978 to 1985 202

Table PN-25. Graduations of Men and Minority Students from LPN/LVN Programs, by NLN Region and State: 1984-85 203

Table PN-26. Trends in Graduations of Men and Minority Students from LPN/LVN Programs, 1978 to 1985 204

Tuition and Fees 205

Table PN-27. Mean Annual Tuitions of Full-Time Students in Public or Private LPN/LVN Programs, by NLN Region and State: 1986-87 206

PN FACULTY

Summary and Results of LPN/LVN Faculty Census 207

Number of Faculty and Unfilled Positions 209

Table PNF-1. Number of Full-Time and Part-Time Nurse Faculty in LPN/LVN Programs: 1968 to 1986 209

Table PNF-2. Full-Time and Part-Time Nurse Faculty and Unfilled Budgeted Positions in LPN/LVN Programs, by State 210

Table PNF-3. Percent of Nurse and Non-Nurse Faculty in LPN/LVN Programs, by NLN Region 212

Table PNF-4. Percent of Unfilled Full-Time Nurse Faculty Positions in LPN/LVN Programs, by Clinical Content Area and NLN Region 212

Highest Earned Credentials 213

Table PNF-5. Highest Earned Credential of Administrators in LPN/LVN Programs: 1968 to 1986 213

Table PNF-6. Highest Earned Credential of Full-Time Nurse Faculty of LPN/LVN Programs: 1968 to 1986 214

Table PNF-7. Highest Earned Credential of Part-Time Nurse Faculty of LPN/LVN Programs: 1968 to 1986 215

Table PNF-8. Highest Earned Credential of Full-Time Nurse Faculty of LPN/LVN Programs, by NLN Region: 1972 to 1986 216

Table PNF-9. Highest Earned Credential of Part-Time Nurse Faculty of LPN/LVN Programs, by NLN Region: 1972 to 1986 217

Table PNF-10. Nursing and Non-Nursing Degrees Held by Master's and Baccalaureate-Prepared Full-Time Faculty in LPN/LVN Programs, by NLN Region 218

Table PNF-11. Nursing and Non-Nursing Degrees Held by Master's and Baccalaureate-Prepared Part-Time Faculty in LPN/LVN Programs, by NLN Region 218

Table PNF-12. Highest Earned Credential of Full-Time and Part-Time Nurse Faculty in LPN/LVN Programs, by State 219

Faculty Characteristics 220

Table PNF-13. Ethnic Background of Administrators in LPN/LVN Programs, by NLN Region 220

Table PNF-14. Ethnic Background of Full-Time Faculty in LPN/LVN Programs, by NLN Region 220

Table PNF-15. Ethnic Background of Part-Time Faculty in LPN/LVN Programs, by NLN Region 221

Table PNF-16. Full-Time and Part-Time Male Faculty in LPN/LVN Programs, by NLN Region 221

Faculty Workload 222

Table PNF-17. Faculty Workload—Number of Hours per Week for a Typical Faculty Member in LPN/LVN Programs, by NLN Region 222

Table PNF-18. Faculty Workload—Number of Students per Week for a Typical Faculty Member in LPN/LVN Programs, by NLN Region 222

Computer Technology 223

Table PNF-19. Involvement of LPN/LVN Faculty in Computer Applications 224

Table PNF-20. Percent of LPN/LVN Programs Reporting Faculty Teaching Computer Applications 224

Table PNF-21. Percent of LPN/LVN Programs Reporting Alumni and Students Prepared to Use Computer Technology in Their Nursing Practice after Graduation 224

Salaries in LPN/LVN Education 225

Table PNF-22. Mean Salaries of LPN/LVN Administrators and Faculty, by Academic and Calendar Year Appointment 226

Table PNF-23. Mean Salaries of LPN/LVN Administrators and Faculty, by NLN Region 227

Table PNF-24. Mean Salaries of LPN/LVN Administrators and Faculty, by Type of Institutional Support 228

DEFINITION OF TERMS

Administrator of Nursing Program—Dean, chair, director, head of department.

Associate/Assistant Administrator—Individual who is an assistant or associate dean, director, head of department.

Baccalaureate Programs

a) *Baccalaureate and higher degree programs:* All baccalaureate and graduate nursing programs.

b) *Baccalaureate and higher degree programs with generic students:* Programs that accept students without prior nursing education. Most of these programs also admit registered nurses who had previously studied at the associate degree or diploma level and are returning to baccalaureate nursing education. They also may include master's and doctoral level programs.

c) *Baccalaureate and higher degree programs without generic students (for RN students only):* Programs designed exclusively for registered nurses returning for baccalaureate education (BRN programs) and/or graduate education.

Ethnic Background—The categories used to denote ethnic background are:

a) American Indian or Alaskan Native
b) Asian or Pacific Islander
c) Black, Non-Hispanic
d) Hispanic
e) White, Non-Hispanic

Faculty Workload—The questionnaire asked respondents to indicate the average number of hours per week that faculty spend in the following categories:

a) *Teaching (classroom):* Student contact hours in classroom instruction.

b) *Teaching (clinical):* Clinical or laboratory instruction or supervision (including pre- and post-clinical conferences).

c) *Advisement and counseling*

d) *Preparation hours:* Time spent preparing for teaching.

e) *Nursing practice:* Nurse faculty practice, separate from academic responsibilities.

f) *Professional research*

g) *Committee responsibility*

h) *Other professional involvement:* Professional organization activities, community activities, etc.

Full-Time Faculty—Individuals contracted on a full-time basis to teach or supervise students.

Highest Earned Credential—The highest earned degree or diploma held by a faculty member.

Non-Nurse Faculty—Individuals who are not registered nurses and are contracted to teach students as a part of the nursing faculty.

Part-Time Faculty—Individuals employed less than the required hours for full-time faculty employment.

Statistical Significance—Indicates that using such statistical tests as analysis of variance (ANOVA) and chi-square, there is at least 95 percent confidence that the differences between groups is not random (i.e., significant at the 0.05 level).

Unfilled Positions—Full-time or full-time equivalent budgeted positions not filled as of January 1986.

JURISDICTIONS INCLUDED IN THE NLN REGIONS

North Atlantic

- Connecticut
- Delaware
- District of Columbia
- Maine
- Massachusetts
- New Hampshire
- New Jersey
- New York
- Pennsylvania
- Rhode Island
- Vermont

Midwestern

- Illinois
- Indiana
- Iowa
- Kansas
- Michigan
- Minnesota
- Missouri
- Nebraska
- North Dakota
- Ohio
- South Dakota
- Wisconsin

Southern

- Alabama
- Arkansas
- Florida
- Georgia
- Kentucky
- Louisiana
- Maryland
- Mississippi
- North Carolina
- Oklahoma
- South Carolina
- Tennessee
- Texas
- Virginia
- West Virginia

Western

- Alaska
- Arizona
- California
- Colorado
- Hawaii
- Idaho
- Montana
- Nevada
- New Mexico
- Oregon
- Utah
- Washington
- Wyoming

Note: American Samoa, Guam, Puerto Rico and the Virgin Islands are not included in aggregate data, but are listed separately on some tables with state data.

TIME PERIODS USED IN STATISTICAL DATA

Academic Year—The academic year is defined as September 1 through August 31 for the academic years 1961-62 through 1969-70, and as August 1 through July 31 for subsequent years.

Admissions—Admissions are calculated on the basis of the academic year, as defined above.

Graduations—Graduations are calculated on the basis of the academic year, as defined above.

Enrollments—Enrollments are calculated as of October 15 (the fall term) of each year.

Nursing Programs—The number of nursing programs is determined by identifying continuing, new, and discontinued programs between October 16 of the preceding year and October 15 of the year shown in the table.

NLN Accreditation Status—The NLN accreditation status of nursing programs is determined as of January 1 of the calendar year immediately following the end of the last academic year. For example, for the 1985-86 academic year, NLN accreditation status would be stated as of January 1987.

SUMMARY AND RESULTS OF NURSING STUDENT CENSUS—1987

This research module presents the results of the NLN's 1986 annual survey of state-approved schools of registered nursing and higher degree programs. These data cover the academic year August 1985 through July 1986 and, except where otherwise indicated, are based on 100 percent response rate from all nursing programs.

Basic RN Education

The total number of basic RN programs dropped to 1,469 in 1986. The 776 associate degree programs comprise over half the basic RN programs, the 455 generic baccalaureate programs represent 31 percent of the total, and the 238 diploma programs 16 percent. One hundred sixty-one baccalaureate programs are designed specifically for the returning RN.

The majority of all basic RN programs are publicly funded (65%). The South has the greatest number of RN programs (478), followed by the Midwest (429), the North Atlantic (359), and the West (203).

Close to ninety-nine percent of diploma programs and over 86 percent of baccalaureate programs have NLN accreditation, whereas almost 61 percent of associate degree programs have NLN accreditation.

Admissions

Annual admissions—the number of first-time nursing students admitted between July 1985 and August 1986—plummeted 14.7 percent to 100,791. This is the lowest annual admissions figure since the early 70s. All types of programs reported decreases in annual admissions: diploma programs plunged 33 percent, baccalaureate, 13 percent, associate degree, 11 percent.

Fall admissions—the number of first-time students admitted from August through December 1986—fell for the third year in a row to 70,581. Decreases in fall admissions were reported by all program types suggesting that enrollment will continue to drop in the next few years.

Enrollments

All program types reported decreases in the number of enrollments as of October 15, 1986. This year's 11.1 percent decrease comes on the heels of an 8.1 percent decrease last year. The most dramatic losses were reported by diploma programs (−25%); baccalaureate programs reported a 10 percent decline; and associate degree program enrollments dropped 7.5 percent since 1985. These figures will result in smaller numbers of graduates from basic RN programs for the next few years.

Graduations

The recent declines in admissions and enrollment have now affected graduations. In 1985-86, 77,027 students graduated from RN programs. This represents a dramatic drop of 6.2 percent since 1984-85. Baccalaureate programs reported an increase of less than 1 percent in the number of graduates. Associate degree programs reported a dramatic 8.6 percent decline in the number of graduates and diploma programs registered an 11.5 percent drop in theirs.

Returning RNs in BSN Programs

The number of RNs returning for baccalaureate degrees continues to grow. In 1986, 46,355 RNs were enrolled in BSN programs, a whopping 8 percent increase since 1985. RNs enrolled in generic baccalaureate programs registered at 25,247 and an additional 21,108 RNs were enrolled in baccalaureate programs specifically designed for them (BRN). The enrollments in BRN programs have grown about 5 percent since 1985 whereas the number of RNs in generic programs grew 11 percent during the same time.

The number of RNs graduating from baccalaureate programs grew over 8 percent. The number of graduates of BRN programs dramatically increased 17 percent to 4,682. The number of RNs to graduate from generic baccalaureate programs increased 2 percent to 5,698. Fifty-seven percent of the RN graduates from baccalaureate programs previously held associate degrees, 43 percent had diplomas.

Men and Minority Students in Basic Nursing

The number of men admitted to basic RN programs stood at 6,575 or 6.6 percent of total admissions in 1985-86. This represents a small increase since last year. The percentage of Hispanic, Asian, and American Indian admissions remained almost unchanged since 1984-85. The percentage of blacks, however, grew over 1 percent since last year.

The 8,259 men enrolled in RN programs represents a drop of about 1 percent since 1984-85. The overall percentages of other minorities fell. Baccalaureate programs reported declines in the percentage of men and minority enrollees, whereas associate degree programs reported increases. Diploma programs reported increases in all but the percentage of men.

Doctoral Programs

The number of doctoral nursing programs grew to 38 in 1986 and enrollments increased 9 percent to a record 1,949. The number of graduates from doctoral programs jumped to 249—a 25.8 percent increase since 1985.

Master's Programs

The total number of master's programs grew to 189 in 1986. Enrollments in master's programs rose to 19,958 in 1986—a 3.3 percent increase since 1985. The number of graduates from master's programs remained almost unchanged at 5,248 in 1985-86. The largest number of master's students are preparing for advanced clinical practice. Smaller groups majored in teaching or administration.

Despite small decreases, medical-surgical nursing continues to attract the largest numbers of master's students in clinical practice and teaching. Maternal-child follows as the second most popular major. Smaller groups are studying psychiatric/mental health or community health.

Basic Nursing Education

BASIC RN EDUCATION

Basic RN Programs (Table 1)

- In 1986 the total number of basic RN programs in the United States declined for the second year in a row. The current 1,469 programs represent a 0.3 percent decrease over the previous year.

- The number of basic baccalaureate programs continues to increase and now stands at 455—a 3.2 percent increase since 1985.

- The number of AD programs has remained at the 776 mark whereas the number of diploma programs decreased by 18.

- Associate degree programs constitute over half the basic nursing programs—almost 53 percent of the total. Baccalaureate programs represent 31 percent of all RN programs and diploma programs represent about 16 percent of the total.

- In addition to the 455 basic baccalaureate programs, there were 161 baccalaureate programs exclusively designed for RNs (see Table 7).

- **TEN-YEAR TREND:** The total number of basic RN programs grew 8.3 percent over the past decade. Basic baccalaureate programs increased their numbers by 111, and the number of associate degree programs increased by 131. Meanwhile, 129 diploma programs have closed.

- **FIVE-YEAR TREND:** Basic baccalaureate programs have increased by 53 in the past five years. Associate Degree programs added an additional 34 programs to their ranks whereas 50 diploma programs have closed.

Table 1

BASIC RN PROGRAMS AND PERCENTAGE CHANGE FROM PREVIOUS YEAR, BY TYPE OF PROGRAM: 1967 TO 1986[1]

YEAR	NUMBER OF SCHOOLS	ALL BASIC RN PROGRAMS		BACCALAUREATE PROGRAMS		ASSOCIATE DEGREE PROGRAMS		DIPLOMA PROGRAMS	
		Number of Programs	Percent Change	Number of Programs	Percent Change	Number of Programs	Percent Change	Number of Programs	Percent Change
1967	1,247	1,254	+3.5	219	+5.3	276	+28.4	759	−3.8
1968	1,272	1,278	+1.9	233	+6.4	324	+17.4	721	−5.0
1969	1,313	1,324	+3.6	252	+8.2	384	+18.5	688	−4.6
1970	1,330	1,340	+1.2	267	+6.0	437	+13.8	636	−7.6
1971	1,338	1,349	+0.7	282	+5.6	484	+10.8	583	−8.3
1972	1,350	1,362	+1.0	290	+2.8	532	+9.9	540	−7.4
1973	1,348	1,360	−0.1	302	+4.1	565	+6.2	493	−8.7
1974	1,347	1,358	−0.1	310	+2.6	588	+4.1	460	−6.7
1975	1,349	1,362	+0.3	326	+5.2	608	+3.4	428	−7.0
1976	1,337	1,358	−0.3	336	+3.1	632	+3.9	390	−8.9
1977	1,339	1,356	−0.1	344	+2.4	645	+2.1	367	−5.9
1978	1,340	1,358	+0.1	348	+1.2	666	+3.3	344	−6.3
1979	1,354	1,374	+1.2	363	+4.3	678	+1.8	333	−3.2
1980	1,360	1,385	+0.8	377	+3.9	697	+2.8	311	−6.6
1981	1,377	1,401	+1.2	383	+1.6	715	+2.6	303	−2.6
1982	1,406	1,432	+2.2	402	+5.0	742	+3.8	288	−5.0
1983	1,432	1,466	+2.4	421	+4.7	764	+3.0	281	−2.4
1984	1,445	1,477	+0.8	427	+1.4	777	+1.7	273	−2.8
1985	1,434	1,473	−0.2	441	+3.3	776	−0.1	256	−6.2
1986	1,426	1,469	−0.3	455	+3.2	776	0.0	238	−7.0

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[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands

RN Programs, by Source of Funding (Table 2)

- Almost sixty-five percent (950) of all basic RN programs were publicly financed, while 35 percent (519) were privately financed. This proportion has not changed significantly over the past few years.

- Among baccalaureate programs, the number of privately and publicly supported programs is about equal.

- A majority (89%) of associate degree programs were publicly funded, while 11 percent were privately supported. Conversely, the majority of diploma programs were privately funded (85%), whereas 15 percent were publicly funded.

Table 2

PUBLIC AND PRIVATE BASIC RN PROGRAMS, BY TYPE OF PROGRAM: 1977 TO 1986[1]

PUBLIC AND PRIVATE NURSING PROGRAMS	NUMBER OF PROGRAMS									
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
All Programs	**1,356**	**1,358**	**1,374**	**1,385**	**1,401**	**1,432**	**1,466**	**1,477**	**1,473**	**1,469**
Public	819	830	840	861	870	902	916	935	942	950
Private	537	528	534	524	531	530	550	542	531	519
Baccalaureate	344	348	363	377	383	402	421	427	441	455
Public	184	186	190	198	196	203	210	213	217	227
Private	160	162	173	179	187	199	211	214	224	228
Associate Degree	645	666	678	697	715	742	764	777	776	776
Public	581	599	609	624	638	662	669	684	688	688
Private	64	67	69	73	77	80	95	93	88	88
Diploma	367	344	333	311	303	288	281	273	256	238
Public	54	45	41	39	36	37	37	38	37	35
Private	313	299	292	272	267	251	244	235	219	203

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[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

RN Programs, by Region and State (Tables 3-6)

- The South reported the largest proportion of basic RN programs with 478 programs—almost 33 percent of the total. The Midwest reported 29.2 percent of all programs, the North Atlantic reported 24.4 percent, and the West 13.8 percent of the total (see Table 3). This pattern has remained fairly stable over the past few years.

- Among baccalaureate programs, the regional breakdown reveals 33.8 percent of the programs in the South, 30.5 percent in the Midwest, 24 percent in the North Atlantic, and 11.6 percent in the West (see Table 4).

- A slightly different picture emerges in the regional breakdown of associate degree programs: 36.2 percent are in the South, 26.2 percent are in the Midwest, 19.1 percent are in the West, and 18.5 percent are in the North Atlantic (see Table 5).

- The regional breakdown among diploma programs shows the North Atlantic leading, with 44.5 percent of the nation's diploma programs. The Midwest follows, with 36.5 percent of these programs. The South has 18.1 percent and the West only 1 percent of diploma programs (see Table 6).

Percent of Program Type by Region

	Total	North Atlantic	Midwest	South	West
Baccalaureate	100.0%	24.0%	30.5%	33.9%	11.6%
Associate	100.0%	18.6%	26.2%	36.1%	19.1%
Diploma	100.0%	44.5%	36.5%	18.1%	1.0%
All programs	100.0%	24.4%	29.2%	32.6%	13.8%

- A comparison of the regional breakdowns by type of programs reveals that although associate degree programs constitute the largest proportion of nursing programs in all regions, the percentages range from 40 percent of all the North Atlantic programs to almost 73 percent of the Western programs (see Tables 3-6).

Region	Baccalaureate	Associate Degree	Diploma
North Atlantic	30.4%	40.1%	29.5%
Midwest	32.4%	47.3%	20.3%
South	32.2%	58.8%	9.0%
West	26.1%	72.9%	1.0%

Table 3
ALL BASIC RN PROGRAMS, BY NLN REGION AND STATE: 1977 TO 1986[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS									
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
United States	**1,356**	**1,358**	**1,374**	**1,385**	**1,401**	**1,432**	**1,466**	**1,477**	**1,473**	**1,469**
North Atlantic	370	359	351	344	342	341	348	357	350	359
Midwest	387	393	404	409	417	426	431	431	433	429
South	415	418	431	440	449	465	480	484	485	478
West	184	188	188	192	193	200	207	205	205	203
Alabama	31	31	34	34	35	37	37	37	36	36
Alaska	2	2	2	2	2	2	2	2	2	2
Arizona	15	14	14	16	16	18	17	16	16	15
Arkansas	19	19	19	19	20	20	20	20	20	20
California	83	84	84	87	88	90	94	93	92	90
Colorado	11	12	12	12	12	12	12	12	14	13
Connecticut	19	19	19	19	18	18	18	18	18	18
Delaware	7	7	7	7	7	7	7	7	6	6
District of Columbia	7	7	7	7	7	6	6	6	6	6
Florida	31	31	33	34	34	35	39	40	39	40
Georgia	33	33	33	35	33	32	34	34	34	34
Hawaii	5	5	5	5	5	5	5	6	6	6
Idaho	6	6	6	6	6	6	6	6	6	6
Illinois	78	80	82	80	78	79	80	78	76	77
Indiana	29	30	31	30	29	30	31	37	37	36
Iowa	32	33	35	36	38	39	39	39	39	39
Kansas	24	24	26	27	29	31	31	30	30	30
Kentucky	26	28	27	26	26	27	29	28	28	28
Louisiana	16	16	16	16	16	17	20	22	22	22
Maine	9	9	9	9	9	10	12	12	10	14
Maryland	24	23	22	22	24	24	25	25	25	24
Massachusetts	56	52	52	51	48	48	48	48	47	46
Michigan	46	46	45	45	49	50	53	51	50	50
Minnesota	24	23	24	25	25	26	25	25	25	25
Mississippi	21	22	22	23	23	23	22	22	22	21
Missouri	35	35	35	37	38	38	39	39	41	41
Montana	5	4	4	4	4	4	4	4	4	6
Nebraska	12	12	12	11	11	11	11	11	14	13
Nevada	3	4	4	4	4	5	5	5	5	5
New Hampshire	8	8	8	7	8	11	10	11	11	10
New Jersey	41	41	41	40	38	38	39	39	39	38
New Mexico	9	10	10	11	11	11	11	11	12	13
New York	112	108	103	98	100	98	99	106	105	110
North Carolina	46	46	48	50	51	55	57	57	57	56
North Dakota	9	9	9	9	9	9	9	9	9	9
Ohio	67	68	71	72	71	71	72	71	70	69
Oklahoma	18	18	21	22	25	26	26	27	27	27
Oregon	14	16	16	16	16	16	19	18	17	17
Pennsylvania	100	97	94	95	96	95	97	98	98	98
Rhode Island	7	7	7	7	7	7	7	7	7	7
South Carolina	14	14	15	15	17	19	18	19	20	19
South Dakota	8	8	8	8	9	9	9	9	9	8
Tennessee	28	28	29	33	32	32	33	33	33	35
Texas	53	54	56	56	58	64	65	64	65	64
Utah	5	5	5	5	5	5	5	4	4	4
Vermont	4	4	4	4	4	5	5	5	5	5
Virginia	37	37	38	38	38	37	37	37	37	35
Washington	23	23	23	21	21	22	23	23	22	23
West Virginia	17	17	17	17	17	17	18	18	18	18
Wisconsin	24	26	27	29	31	31	32	33	33	32
Wyoming	3	3	3	3	3	4	5	5	5	5
American Samoa	0	0	0	0	1	1	1	1	1	1
Guam	1	1	1	1	1	1	1	1	1	1
Puerto Rico	14	14	13	16	18	19	19	19	20	20
Virgin Islands	1	1	1	1	1	2	2	2	2	2

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands

Table 4
BACCALAUREATE NURSING PROGRAMS, BY NLN REGION AND STATE: 1977 TO 1986[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS									
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
United States	**344**	**348**	**363**	**377**	**383**	**402**	**421**	**427**	**441**	**455**
North Atlantic	95	95	95	96	101	103	105	107	107	109
Midwest	96	97	105	110	111	117	121	124	131	139
South	109	113	120	128	129	137	147	147	151	154
West	44	43	43	43	42	45	48	49	52	53
Alabama	9	10	12	12	12	13	13	13	13	13
Alaska	1	1	1	1	1	1	1	1	1	1
Arizona	2	2	2	2	2	4	4	4	4	4
Arkansas	7	7	7	7	7	7	7	7	7	7
California	19	19	19	19	18	19	20	20	21	21
Colorado	3	3	3	3	3	3	3	3	5	6
Connecticut	7	7	7	7	7	7	7	7	7	7
Delaware	2	2	2	2	2	2	2	2	2	2
District of Columbia	5	5	5	5	5	5	5	5	5	5
Florida	8	8	9	10	10	12	13	12	12	13
Georgia	6	7	8	11	9	10	13	13	13	13
Hawaii	1	1	1	1	1	1	1	2	2	2
Idaho	1	1	1	1	1	1	1	1	1	1
Illinois	14	15	19	19	20	21	22	22	22	24
Indiana	9	9	9	10	9	10	11	13	13	13
Iowa	8	8	8	9	10	10	10	10	10	11
Kansas	7	7	8	9	9	9	9	9	10	10
Kentucky	5	6	5	5	5	6	7	7	8	9
Louisiana	7	7	7	7	7	8	10	12	12	12
Maine	2	2	2	2	2	2	3	3	3	3
Maryland	6	6	5	5	5	5	6	6	6	6
Massachusetts	11	11	13	13	13	14	14	14	14	14
Michigan	12	12	12	12	12	13	13	13	13	14
Minnesota	9	9	9	9	9	10	10	10	10	11
Mississippi	5	6	7	7	7	7	7	7	7	7
Missouri	7	7	7	8	8	9	9	9	11	11
Montana	2	2	2	2	2	2	2	2	2	2
Nebraska	4	4	4	4	4	4	4	4	7	7
Nevada	1	1	1	1	1	1	1	1	1	1
New Hampshire	2	2	2	2	3	3	3	3	3	3
New Jersey	7	7	7	7	7	7	7	7	7	7
New Mexico	2	1	1	1	1	1	1	1	1	1
New York	32	32	30	30	31	31	31	32	32	33
North Carolina	11	11	11	11	12	12	12	11	12	12
North Dakota	4	4	4	4	4	4	4	4	4	4
Ohio	12	12	14	14	14	14	15	15	15	17
Oklahoma	7	7	8	9	9	10	11	11	11	11
Oregon	2	2	2	2	2	2	4	4	4	4
Pennsylvania	23	23	23	24	27	28	29	30	30	30
Rhode Island	3	3	3	3	3	3	3	3	3	3
South Carolina	3	3	4	4	4	4	4	4	6	6
South Dakota	3	3	3	3	3	3	3	3	3	3
Tennessee	6	6	6	9	9	9	9	9	9	11
Texas	17	17	18	18	20	21	21	21	21	20
Utah	3	3	3	3	3	3	3	3	3	3
Vermont	1	1	1	1	1	1	1	1	1	1
Virginia	7	7	8	9	9	9	9	9	9	9
Washington	6	6	6	6	6	6	6	6	6	6
West Virginia	4	4	4	4	4	4	5	5	5	6
Wisconsin	8	8	9	9	9	10	11	12	13	14
Wyoming	1	1	1	1	1	1	1	1	1	1
American Samoa	0	0	0	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0	0	0	0
Puerto Rico	5	5	5	8	10	11	11	11	12	12
Virgin Islands	0	0	0	0	0	1	1	1	1	1

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 5

ASSOCIATE DEGREE NURSING PROGRAMS, BY NLN REGION AND STATE: 1977 TO 1986[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS									
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
United States	**645**	**666**	**678**	**697**	**715**	**742**	**764**	**777**	**776**	**776**
North Atlantic	116	119	120	121	119	124	129	136	137	144
Midwest	158	167	172	180	191	199	203	204	205	203
South	241	244	250	254	261	271	279	286	285	281
West	130	136	136	142	144	148	153	151	149	148
Alabama	17	17	18	18	19	20	20	20	20	20
Alaska	1	1	1	1	1	1	1	1	1	1
Arizona	13	12	12	14	14	14	13	12	12	11
Arkansas	11	11	11	11	11	11	11	11	11	11
California	60	61	61	64	66	67	71	71	69	68
Colorado	6	7	7	7	7	7	7	7	7	6
Connecticut	7	7	7	7	6	6	6	6	6	6
Delaware	3	3	3	3	3	3	3	3	3	3
District of Columbia	1	1	1	1	1	1	1	1	1	1
Florida	22	22	23	23	23	22	25	27	26	26
Georgia	21	21	20	20	20	19	19	19	19	19
Hawaii	4	4	4	4	4	4	4	4	4	4
Idaho	5	5	5	5	5	5	5	5	5	5
Illinois	33	34	33	33	33	34	34	34	34	34
Indiana	13	14	15	14	14	14	14	18	18	17
Iowa	14	16	18	18	19	20	20	20	20	20
Kansas	10	11	12	14	16	19	19	18	17	17
Kentucky	19	20	20	20	20	20	21	21	20	19
Louisiana	6	6	6	6	6	6	6	6	6	6
Maine	3	3	3	3	3	4	5	5	5	9
Maryland	13	13	13	13	14	14	14	14	14	14
Massachusetts	19	19	20	20	18	19	19	19	19	19
Michigan	24	24	24	25	29	30	33	32	32	32
Minnesota	10	10	11	12	12	12	12	12	12	12
Mississippi	14	14	13	14	14	14	14	14	14	14
Missouri	15	16	16	17	19	19	20	20	20	20
Montana	2	2	2	2	2	2	2	2	2	2
Nebraska	2	2	2	2	2	2	2	2	2	1
Nevada	2	3	3	3	3	4	4	4	4	4
New Hampshire	1	1	1	1	1	4	5	6	6	6
New Jersey	13	13	13	13	13	13	14	14	14	13
New Mexico	7	9	9	10	10	10	10	10	11	12
New York	45	48	48	46	48	47	48	54	55	59
North Carolina	27	28	30	32	32	36	38	40	40	39
North Dakota	2	2	2	2	2	2	2	2	2	2
Ohio	24	25	26	28	27	28	28	28	29	29
Oklahoma	10	10	12	12	15	15	15	16	16	16
Oregon	11	13	13	13	13	13	14	13	13	13
Pennsylvania	19	19	19	22	21	21	22	22	22	22
Rhode Island	2	2	2	2	2	2	2	2	2	2
South Carolina	10	10	10	10	12	14	13	14	13	12
South Dakota	3	3	3	3	4	4	4	4	4	4
Tennessee	15	15	16	17	16	16	17	17	17	17
Texas	30	31	32	32	33	38	40	40	42	42
Utah	2	2	2	2	2	2	2	1	1	1
Vermont	3	3	3	3	3	4	4	4	4	4
Virginia	15	15	15	15	15	15	15	15	16	16
Washington	15	15	15	15	15	16	17	17	16	17
West Virginia	11	11	11	11	11	11	11	11	11	10
Wisconsin	8	10	10	12	14	15	15	15	15	15
Wyoming	2	2	2	2	2	3	4	4	4	4
American Samoa	0	0	0	0	1	1	1	1	1	1
Guam	1	1	1	1	1	1	1	1	1	1
Puerto Rico	9	9	8	8	8	8	8	8	8	8
Virgin Islands	1	1	1	1	1	1	1	1	1	1

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 6
DIPLOMA NURSING PROGRAMS, BY NLN REGION AND STATE: 1977 TO 1986[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS									
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
United States	**367**	**344**	**333**	**311**	**303**	**288**	**281**	**273**	**256**	**238**
North Atlantic	159	145	136	127	122	114	114	114	106	106
Midwest	133	129	127	119	115	110	107	103	97	87
South	65	61	61	58	59	57	54	51	49	43
West	10	9	9	7	7	7	6	5	4	2
Alabama	5	4	4	4	4	4	4	4	3	3
Alaska	0	0	0	0	0	0	0	0	0	0
Arizona	0	0	0	0	0	0	0	0	0	0
Arkansas	1	1	1	1	2	2	2	2	2	2
California	4	4	4	4	4	4	3	2	2	1
Colorado	2	2	2	2	2	2	2	2	2	1
Connecticut	5	5	5	5	5	5	5	5	5	5
Delaware	2	2	2	2	2	2	2	2	1	1
District of Columbia	1	1	1	1	1	0	0	0	0	0
Florida	1	1	1	1	1	1	1	1	1	1
Georgia	6	5	5	4	4	3	2	2	2	2
Hawaii	0	0	0	0	0	0	0	0	0	0
Idaho	0	0	0	0	0	0	0	0	0	0
Illinois	31	31	30	28	25	24	24	22	20	19
Indiana	7	7	7	6	6	6	6	6	6	6
Iowa	10	9	9	9	9	9	9	9	9	8
Kansas	7	6	6	4	4	3	3	3	3	3
Kentucky	2	2	2	1	1	1	1	0	0	0
Louisiana	3	3	3	3	3	3	4	4	4	4
Maine	4	4	4	4	4	4	4	4	2	2
Maryland	5	4	4	4	5	5	5	5	5	4
Massachusetts	26	22	19	18	17	15	15	15	14	13
Michigan	10	10	9	8	8	7	7	6	5	4
Minnesota	5	4	4	4	4	4	3	3	3	2
Mississippi	2	2	2	2	2	2	1	1	1	0
Missouri	13	12	12	12	11	10	10	10	10	10
Montana	1	0	0	0	0	0	0	0	0	0
Nebraska	6	6	6	5	5	5	5	5	5	5
Nevada	0	0	0	0	0	0	0	0	0	0
New Hampshire	5	5	5	4	4	4	2	2	2	1
New Jersey	21	21	21	20	18	18	18	18	18	18
New Mexico	0	0	0	0	0	0	0	0	0	0
New York	35	28	25	22	21	20	20	20	18	18
North Carolina	8	7	7	7	7	7	7	6	5	5
North Dakota	3	3	3	3	3	3	3	3	3	3
Ohio	31	31	31	30	30	29	29	28	26	23
Oklahoma	1	1	1	1	1	1	0	0	0	0
Oregon	1	1	1	1	1	1	1	1	0	0
Pennsylvania	58	55	52	49	48	46	46	46	46	46
Rhode Island	2	2	2	2	2	2	2	2	2	2
South Carolina	1	1	1	1	1	1	1	1	1	1
South Dakota	2	2	2	2	2	2	2	2	2	1
Tennessee	7	7	7	7	7	7	7	7	7	7
Texas	6	6	6	6	5	5	4	3	2	2
Utah	0	0	0	0	0	0	0	0	0	0
Vermont	0	0	0	0	0	0	0	0	0	0
Virginia	15	15	15	14	14	13	13	13	12	10
Washington	2	2	2	0	0	0	0	0	0	0
West Virginia	2	2	2	2	2	2	2	2	2	2
Wisconsin	8	8	8	8	8	6	6	6	5	3
Wyoming	0	0	0	0	0	0	0	0	0	0
American Samoa	0	0	0	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0	0	0	0
Puerto Rico	0	0	0	0	0	0	0	0	0	0
Virgin Islands	0	0	0	0	0	0	0	0	0	0

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Baccalaureate Nursing Programs: Accreditation Status (Table 7)

- The number of nursing programs offering the baccalaureate degree increased to 616 in 1986. Of these, 73 percent (451) admitted both basic (generic) and RN students, 26 percent (161) admitted RNs only, and less than 1 percent (4) admitted basic (generic) students only.

- Of the 616 total baccalaureate programs (both basic and RN programs), 79.3 percent were accredited by NLN. This represents an increase of almost 3 percent since 1985.

Table 7

BACCALAUREATE NURSING PROGRAMS THAT ENROLL BASIC AND/OR RN STUDENTS, BY NLN ACCREDITATION STATUS: JANUARY 1987[1]

NLN ACCREDITATION STATUS	TOTAL NUMBER OF PROGRAMS	TYPE OF STUDENT ENROLLED		
		Basic Students Only [2]	Both Basic and RN Students	RN Students Only
Total	**616**	**4**	**451**	**161**
Accredited	489	0	389	100
Non-Accredited	127	4	62	61

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Program is listed under "Basic Student Only" when no RN enrollees are reported.

Basic Nursing Programs: Accreditation and State Data (Table 8)

- As of January 1986, 72.8 percent of all basic RN programs (1,073) were accredited by NLN.

- For each type of program, the percentage accredited by NLN is as follows:

Basic Baccalaureate	86.4%
Associate Degree	60.7%
Diploma	98.7%

- The percentage of NLN-accredited programs in each region breaks down as follows:

North Atlantic	85.5%
Midwest	75.5%
South	74.5%
West	55.2%

Table 8

BASIC RN PROGRAMS, BY TYPE OF PROGRAM, AND NLN ACCREDITATION STATUS: JANUARY 1987[1]

NLN REGION AND STATE	NUMBER OF SCHOOLS	NUMBER OF PROGRAMS											
		ALL BASIC RN PROGRAMS			BACCALAUREATE PROGRAMS			ASSOCIATE DEGREE PROGRAMS			DIPLOMA PROGRAMS		
		Total	Accredited	Not Accredited	Total	Accredited	Not Accredited	Total	Accredited	Not Accredited	Total	Accredited	Not Accredited
United States	**1,426**	**1,469**	**1,099**	**370**	**455**	**393**	**62**	**776**	**471**	**305**	**238**	**235**	**3**
North Atlantic	351	359	307	52	109	100	9	144	102	42	106	105	1
Midwest	414	429	324	105	139	117	22	203	120	83	87	87	0
South	459	478	356	122	154	131	23	281	184	97	43	41	2
West	202	203	112	91	53	45	8	148	65	83	2	2	0
Alabama	34	36	35	1	13	13	0	20	19	1	3	3	0
Alaska	2	2	2	0	1	1	0	1	1	0	0	0	0
Arizona	15	15	14	1	4	4	0	11	10	1	0	0	0
Arkansas	19	20	17	3	7	7	0	11	8	3	2	2	0
California	90	90	39	51	21	19	2	68	19	49	1	1	0
Colorado	12	13	8	5	6	4	2	6	3	3	1	1	0
Connecticut	17	18	18	0	7	7	0	6	6	0	5	5	0
Delaware	6	6	4	2	2	1	1	3	2	1	1	1	0
District of Columbia	5	6	6	0	5	5	0	1	1	0	0	0	0
Florida	40	40	22	18	13	10	3	26	11	15	1	1	0
Georgia	31	34	30	4	13	9	4	19	19	0	2	2	0
Hawaii	5	6	4	2	2	1	1	4	3	1	0	0	0
Idaho	6	6	5	1	1	0	1	5	5	0	0	0	0
Illinois	77	77	57	20	24	19	5	34	19	15	19	19	0
Indiana	32	36	30	6	13	10	3	17	14	3	6	6	0
Iowa	39	39	19	20	11	10	1	20	1	19	8	8	0
Kansas	29	30	28	2	10	9	1	17	16	1	3	3	0
Kentucky	26	28	17	11	9	7	2	19	10	9	0	0	0
Louisiana	22	22	16	6	12	7	5	6	5	1	4	4	0
Maine	14	14	8	6	3	2	1	9	4	5	2	2	0
Maryland	24	24	18	6	6	5	1	14	9	5	4	4	0
Massachusetts	47	46	44	2	14	14	0	19	17	2	13	13	0
Michigan	49	50	27	23	14	14	0	32	9	23	4	4	0
Minnesota	25	25	20	5	11	10	1	12	8	4	2	2	0
Mississippi	19	21	17	4	7	7	0	14	10	4	0	0	0
Missouri	37	41	28	13	11	8	3	20	10	10	10	10	0
Montana	4	6	4	2	2	2	0	2	0	2	0	0	0
Nebraska	11	13	11	2	7	5	2	1	1	0	5	5	0
Nevada	5	5	2	3	1	1	0	4	1	3	0	0	0
New Hampshire	10	10	5	5	3	3	0	6	1	5	1	1	0
New Jersey	38	38	38	0	7	7	0	13	13	0	18	18	0
New Mexico	13	13	4	9	1	1	0	12	3	9	0	0	0
New York	106	110	88	22	33	31	2	59	40	19	18	17	1
North Carolina	56	56	19	37	12	11	1	39	4	35	5	4	1
North Dakota	9	9	9	0	4	4	0	2	2	0	3	3	0
Ohio	67	69	63	6	17	16	1	29	24	5	23	23	0
Oklahoma	27	27	24	3	11	10	1	16	14	2	0	0	0
Oregon	17	17	8	9	4	2	2	13	6	7	0	0	0
Pennsylvania	97	98	85	13	30	26	4	22	13	9	46	46	0
Rhode Island	7	7	7	0	3	3	0	2	2	0	2	2	0
South Carolina	18	19	10	9	6	4	2	12	6	6	1	0	1
South Dakota	8	8	7	1	3	3	0	4	3	1	1	1	0
Tennessee	31	35	33	2	11	9	2	17	17	1	7	7	0
Texas	60	64	55	9	20	20	0	42	33	9	2	2	0
Utah	4	4	4	0	3	3	0	1	1	0	0	0	0
Vermont	4	5	4	1	1	1	0	4	3	1	0	0	0
Virginia	35	35	30	5	9	8	1	16	12	4	10	10	0
Washington	23	23	16	7	6	6	0	17	0	7	0	0	0
West Virginia	17	18	13	5	6	4	2	10	7	3	2	2	0
Wisconsin	31	32	25	7	14	9	5	15	13	2	3	3	0
Wyoming	6	5	4	1	1	1	0	4	3	1	0	0	0
American Samoa	1	1	0	1	—	—	—	1	0	1	—	—	—
Guam	1	1	—	1	—	—	—	1	0	1	—	—	—
Puerto Rico	14	20	8	12	12	4	8	8	4	4	—	—	—
Virgin Islands	1	2	1	1	-1	0	1	1	1	0	—	—	—

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

TUITIONS

RN Programs: Tuitions (Tables 9-12)

- Tuition data are reported separately for public and private institutions since costs in publicly supported schools differ markedly from those in privately supported schools. Keep in mind the following breakdown of nursing programs by source of funding when analyzing tuition data:

Type of Program	Public	Private
Baccalaureate	50%	50%
Associate Degree	89	11
Diploma	15	85
Total	**65**	**35**

- In 1984, the NLN began reporting mean tuitions, rather than medians. The change to means will make the data more comparable to tuition data in other educational programs.

- The mean total of annual tuition in all publicly supported RN programs was $1,642 for the 1986-87 school year; in privately supported programs the figure was $4,150 (see Table 9).

- Eighty-seven percent (1,270) of all basic RN programs responded to this section of the questionnaire. Broken down by program type, the response rate was 86 percent for diploma, 83 percent for associate degree programs and 91 percent for basic baccalaureate programs.

- The highest mean tuition was reported among private baccalaureate programs—$5,600 (see Table 10). The lowest tuition was found among publicly funded associate degree programs—$1,572 (see Table 11).

Table 9

MEAN[1] ANNUAL TUITIONS OF FULL-TIME STUDENTS IN PUBLIC OR PRIVATE BASIC RN PROGRAMS, BY NLN REGION AND STATE: 1986-87[2]

NLN REGION AND STATE	NUMBER OF PROGRAMS		ANNUAL TUITION	
	Public	Private	Public[3]	Private
United States	**817**	**453**	**$1,642**	**$4,150**
North Atlantic	146	166	1,987	4,270
Midwest	202	164	2,348	4,262
South	317	103	1,489	3,458
West	152	20	693	5,792
Alabama	22	7	969	2,743
Alaska	2	—	660	—
Arizona	14	1	849	2,328
Arkansas	15	2	848	1,132
California	61	9	259	6,950
Colorado	10	—	1,532	—
Connecticut	7	9	773	5,136
Delaware	5	1	922	5,450
District of Columbia	—	3	—	6,533
Florida	27	4	2,469	5,470
Georgia	25	6	1,241	3,789
Hawaii	4	1	468	5,000
Idaho	5	1	916	828
Illinois	30	32	1,084	4,458
Indiana	16	18	4,834	4,668
Iowa	17	18	4,174	4,560
Kansas	16	9	830	3,840
Kentucky	16	7	739	2,896
Louisiana	14	5	3,362	1,875
Maine	7	5	1,719	5,037
Maryland	14	6	979	3,650
Massachusetts	21	21	1,021	4,738
Michigan	38	7	1,916	4,830
Minnesota	12	8	1,361	6,487
Mississippi	17	2	1,075	2,946
Missouri	16	18	1,072	3,670
Montana	2	1	856	3,860
Nebraska	1	7	1,567	3,349
Nevada	3	—	788	—
New Hampshire	5	3	1,724	5,698
New Jersey	15	18	1,441	2,255
New Mexico	11	—	1,291	—
New York	49	45	2,640	4,542
North Carolina	39	6	536	3,810
North Dakota	2	3	816	4,193
Ohio	34	27	3,830	3,365
Oklahoma	18	5	656	3,657
Oregon	15	1	1,116	7,370
Pennsylvania	31	56	2,489	4,163
Rhode Island	3	3	1,323	4,520
South Carolina	16	1	1,376	2,944
South Dakota	1	6	1,156	3,750
Tennessee	16	12	1,042	4,639
Texas	41	8	1,719	3,352
Utah	2	2	1,205	3,245
Vermont	3	2	2,261	2,065
Virginia	17	14	5,232	3,025
Washington	18	4	829	6,855
West Virginia	10	7	782	5,771
Wisconsin	19	11	2,064	4,954
Wyoming	5	—	440	—
American Samoa	—	—	—	—
Guam	—	—	—	—
Puerto Rico	8	11	1,134	2,123
Virgin Islands	2	—	796	—

[1] The mean is the sum of the observations divided by the number of observations. These reported means of tuitions may be slightly higher than the medians reported in past years.

[2] National and regional tables include American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[3] For publicly supported programs, data on tuitions exclude students who are non-residents of the state and/or county where the school is located.

Table 10

MEAN[1] ANNUAL TUITIONS OF FULL-TIME STUDENTS IN PUBLIC OR PRIVATE BACCALAUREATE NURSING PROGRAMS, BY NLN REGION AND STATE: 1986-87[2]

NLN REGION AND STATE	NUMBER OF PROGRAMS		ANNUAL TUITION	
	Public	Private	Public[3]	Private
United States	**212**	**202**	**$1,790**	**$5,600**
North Atlantic	34	58	2,213	6,475
Midwest	48	78	2,170	5,592
South	103	48	1,613	4,387
West	27	18	1,255	6,053
Alabama	8	2	1,325	5,200
Alaska	1	—	960	—
Arizona	3	1	1,136	2,328
Arkansas	6	—	959	—
California	8	8	502	7,061
Colorado	4	—	1,962	—
Connecticut	3	3	887	7,277
Delaware	2	—	1,332	—
District of Columbia	—	3	6,533	—
Florida	8	3	1,984	5,448
Georgia	9	3	1,828	5,233
Hawaii	1	1	940	5,000
Idaho	1	—	1,040	—
Illinois	4	19	2,210	5,568
Indiana	4	7	1,643	6,785
Iowa	1	10	1,390	5,998
Kansas	5	5	1,306	3,755
Kentucky	5	3	1,007	3,323
Louisiana	8	2	5,326	2,481
Maine	1	1	6,195	5,150
Maryland	4	2	1,257	8,100
Massachusetts	6	5	1,357	7,733
Michigan	9	4	4,663	5,690
Minnesota	4	7	1,616	6,646
Mississippi	5	2	2,009	2,946
Missouri	4	5	1,312	4,697
Montana	1	1	1,212	3,860
Nebraska	1	3	1,567	4,017
Nevada	1	—	558	—
New Hampshire	1	2	2,280	7,630
New Jersey	2	2	1,464	6,176
New Mexico	1	—	510	—
New York	9	21	3,342	6,048
North Carolina	9	3	1,035	5,584
North Dakota	2	2	816	4,760
Ohio	9	5	1,861	6,368
Oklahoma	5	4	890	3,972
Oregon	2	1	4,018	7,370
Pennsylvania	7	20	2,071	6,441
Rhode Island	2	1	1,562	6,900
South Carolina	5	1	1,408	2,944
South Dakota	1	2	1,156	5,120
Tennessee	7	3	1,342	5,910
Texas	11	6	693	3,743
Utah	1	2	1,393	3,245
Vermont	1	—	2,914	—
Virginia	3	6	1,799	5,405
Washington	2	4	1,598	6,855
West Virginia	2	4	811	5,484
Wisconsin	4	9	1,510	5,299
Wyoming	1	—	778	—
American Samoa	—	—	—	—
Guam	—	—	—	—
Puerto Rico	4	7	916	2,454
Virgin Islands	1	—	848	—

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[1] The mean is the sum of the observations divided by the number of observations. These reported means of tuitions may be slightly higher than the medians reported in past years.

[2] National and regional tables include American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[3] For publicly supported programs, data on tuitions exclude students who are non-residents of the state and/or county where the school is located.

Table 11

MEAN[1] ANNUAL TUITIONS OF FULL-TIME STUDENTS IN PUBLIC OR PRIVATE ASSOCIATE DEGREE NURSING PROGRAMS, BY NLN REGION AND STATE: 1986-87[2]

NLN REGION AND STATE	NUMBER OF PROGRAMS		ANNUAL TUITION	
	Public	Private	Public[3]	Private
United States	**571**	**80**	**$1,572**	**$4,294**
North Atlantic	91	33	1,878	4,616
Midwest	149	19	2,427	4,396
South	208	26	1,436	3,877
West	123	2	541	3,448
Alabama	14	3	766	2,264
Alaska	1	—	360	—
Arizona	11	—	770	—
Arkansas	9	—	774	—
California	52	1	203	6,067
Colorado	5	—	759	—
Connecticut	3	2	349	7,520
Delaware	2	1	501	5,450
District of Columbia	—	—	—	—
Florida	18	1	2,752	5,536
Georgia	16	1	911	3,540
Hawaii	3	—	311	—
Idaho	4	1	885	828
Illinois	25	—	867	—
Indiana	12	5	5,897	4,363
Iowa	16	—	4,348	—
Kansas	10	3	589	4,727
Kentucky	11	4	617	2,575
Louisiana	6	—	742	—
Maine	6	3	973	5,998
Maryland	10	—	868	—
Massachusetts	14	4	895	5,785
Michigan	28	1	1,045	5,900
Minnesota	8	1	1,235	5,376
Mississippi	12	—	685	—
Missouri	12	4	992	4,307
Montana	1	—	501	—
Nebraska	—	—	—	—
Nevada	2	—	903	—
New Hampshire	4	—	1,586	—
New Jersey	11	1	1,504	5,200
New Mexico	10	—	1,369	—
New York	35	14	2,508	4,037
North Carolina	28	1	349	4,530
North Dakota	—	—	—	—
Ohio	24	1	4,631	4,188
Oklahoma	13	1	565	2,400
Oregon	13	—	669	—
Pennsylvania	13	6	2,702	4,143
Rhode Island	1	—	844	—
South Carolina	10	—	1,449	—
South Dakota	—	3	—	3,293
Tennessee	9	5	808	6,470
Texas	30	1	2,095	3,630
Utah	1	—	1,017	—
Vermont	2	2	1,935	2,065
Virginia	10	3	7,648	4,853
Washington	16	—	733	—
West Virginia	7	2	629	5,490
Wisconsin	14	1	2,255	4,960
Wyoming	4	—	356	—
American Samoa	—	—	—	—
Guam	—	—	—	—
Puerto Rico	4	4	1,352	1,545
Virgin Islands	1	—	743	—

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[1] The mean is the sum of the observations divided by the number of observations. These reported means of tuitions may be slightly higher than the medians reported in past years.

[2] National and regional tables include American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[3] For publicly supported programs, data on tuitions exclude students who are non-residents of the state and/or county where the school is located.

Table 12

MEAN[1] ANNUAL TUITIONS OF FULL-TIME STUDENTS IN PUBLIC OR PRIVATE DIPLOMA NURSING PROGRAMS, BY NLN REGION AND STATE: 1986-87[2]

NLN REGION AND STATE	NUMBER OF PROGRAMS		ANNUAL TUITION	
	Public	Private	Public[3]	Private
United States	**34**	**171**	**$1,888**	**$2,368**
North Atlantic	21	75	2,090	2,412
Midwest	5	67	1,681	2,675
South	6	29	1,169	1,546
West	2	—	2,440	—
Alabama	—	2	—	1,004
Alaska	—	2	—	1,132
Arizona	—	—	—	—
Arkansas	—	—	—	—
California	1	—	1,200	—
Colorado	1	—	3,680	—
Connecticut	1	4	1,700	2,338
Delaware	1	—	943	—
District of Columbia	—	—	—	—
Florida	1	—	1,243	—
Georgia	—	2	—	1,746
Hawaii	—	—	—	—
Idaho	—	—	—	—
Illinois	1	13	2,003	2,834
Indiana	—	6	—	2,451
Iowa	—	8	—	2,761
Kansas	1	1	867	1,603
Kentucky	—	—	—	—
Louisiana	—	3	—	1,471
Maine	—	1	—	2,040
Maryland	—	4	—	1,425
Massachusetts	1	12	1,017	3,140
Michigan	1	2	1,578	2,575
Minnesota	—	—	—	—
Mississippi	—	—	—	—
Missouri	—	9	—	2,816
Montana	—	—	—	—
Nebraska	—	4	—	2,847
Nevada	—	—	—	—
New Hampshire	—	1	—	1,833
New Jersey	2	15	1,072	1,536
New Mexico	—	—	—	—
New York	5	10	2,109	2,088
North Carolina	2	2	908	790
North Dakota	—	1	—	3,059
Ohio	1	21	2,340	2,611
Oklahoma	—	—	—	—
Oregon	—	—	—	—
Pennsylvania	11	30	2,503	2,648
Rhode Island	—	2	—	3,330
South Carolina	1	—	485	—
South Dakota	—	1	—	2,378
Tennessee	—	4	—	1,397
Texas	—	1	—	725
Utah	—	—	—	—
Vermont	—	—	—	—
Virginia	1	8	1,670	1,447
Washington	—	—	—	—
West Virginia	1	1	1,798	7,483
Wisconsin	1	1	1,617	1,843
Wyoming	—	—	—	—
American Samoa	—	—	—	—
Guam	—	—	—	—
Puerto Rico	—	—	—	—
Virgin Islands	—	—	—	—

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[1] The mean is the sum of the observations divided by the number of observations. These reported means of tuitions may be slightly higher than the medians reported in past years.

[2] National and regional tables include American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[3] For publicly supported programs, data on tuitions exclude students who are non-residents of the state and/or county where the school is located.

Fall Admissions, by Type of Financial Support (Table 13)

- Fall admissions—the number of first-time nursing students admitted between August and December 1986—plunged almost 15 percent over the previous year, back to the levels of the early 1970s.

- Overall, private institutions experienced an over 22 percent drop in fall admissions since 1985, whereas public institutions reported an almost 12 percent decrease during the same time.

- Diploma programs reported the largest decline in fall admissions—over 27.5 percent. Associate degree programs lost almost 9 percent of their fall admissions, and baccalaureate programs lost about 17 percent.

- Since fall admissions constitute approximately 70 percent of a program's admissions, the reported drop signals the probability of lower enrollments in the next year.

- **TEN-YEAR TREND:** Fall admissions fell a dramatic 26 percent between 1977 and 1986. Fall admissions to diploma programs fell by about two-thirds (66%) over the past decade; associate degree programs reported about a 9 percent drop during the same time, while baccalaureate fall admissions fell by a quarter (25%).

Table 13
FALL ADMISSIONS TO PUBLIC AND PRIVATE BASIC RN PROGRAMS, BY TYPE OF PROGRAM: 1977 TO 1986[1]

PUBLIC AND PRIVATE NURSING PROGRAMS	NUMBER OF FALL ADMISSIONS									
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
All Programs	**95,750**	**90,105**	**88,351**	**90,377**	**91,722**	**94,680**	**94,539**	**91,085**	**83,026**	**70,581**
Public	60,751	58,187	58,281	59,454	59,477	62,930	62,609	61,880	57,018	50,417
Private	34,999	31,918	30,070	30,923	32,245	31,750	31,930	29,205	26,008	20,164
Baccalaureate	32,054	29,890	29,994	29,916	28,094	28,982	29,256	28,973	28,883	23,765
Public	19,297	17,941	18,262	18,096	16,541	17,819	17,098	17,315	16,239	13,356
Private	12,757	11,949	11,732	11,820	11,553	11,163	12,158	11,658	12,644	10,409
Associate Degree	44,033	43,005	42,676	44,384	46,855	48,626	49,848	48,855	44,966	40,166
Public	39,206	38,289	38,308	39,704	41,258	43,183	43,533	42,754	39,617	36,070
Private	4,827	4,716	4,368	4,680	5,597	5,443	6,315	5,601	5,349	4,096
Diploma	19,663	17,210	15,681	16,077	16,773	17,072	15,435	13,757	9,177	6,650
Public	2,248	1,957	1,711	1,654	1,678	1,928	1,978	1,811	1,162	991
Private	17,415	15,253	13,970	14,423	15,095	15,144	13,457	11,946	8,015	5,659

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Annual Admissions to Basic RN Programs (Tables 14-20)

- Annual admissions—the number of first-time nursing students admitted from July 1985 to August 1986—dropped to 100,791, a 14.7 percent decrease over the previous year (see Table 14).

- Baccalaureate programs registered an over 13 percent drop in annual admissions. Associate degree programs reported an 11 percent decrease and annual admissions to diploma programs declined 33 percent (see Table 14).

- The number of annual admissions to all basic RN programs dropped in all regions. The Midwest experienced the most severe drop (18.4%) over the previous year, the South reported a 16.8 percent decline; the North Atlantic, 12.3 percent; the West, 6.4 percent (see Table 16). This reverses the pattern of last year.

- A regional breakdown indicates that the South had 31.4 percent of the total admissions in 1985-86. The North Atlantic reported 27.6 percent of the total; the Midwest, 27.1 percent; and the West, almost 14 percent (see Table 16).

- Annual admissions to baccalaureate programs registered at 34,310 in 1985-86. All regions reported declines from a 7 percent drop in the West to a 17.7 percent decline in the South (see Table 17).

- All regions experienced decreases in annual admissions to associate degree programs. The Midwest was hardest hit reporting 16.6 percent decreases, the South reported a loss of 13.5 percent of its annual admissions. The West and North Atlantic both reported drops of about 5 percent (see Table 18).

- All regions reported significant drops in admissions to diploma programs (see Table 19).

- Of the 100,791 total admissions to all basic RN programs, 82 percent (82,715) were in programs accredited by NLN. A breakdown by program type reveals that 94 percent of the baccalaureate annual admissions and 99 percent of the annual admissions to diploma programs were in NLN-accredited programs. However, only 72 percent of associate degree admissions came from accredited programs (see Table 20).

- **TEN-YEAR TREND:** Overall annual admissions decreased 10.4 percent over the last decade. Baccalaureate admissions fell about 6 percent, while diploma admissions plummetted 56 percent over the past 10 years. On the other hand, annual admissions to associate degree programs increased 5.6 percent over the same period of time.

Table 14

ANNUAL ADMISSIONS TO BASIC RN PROGRAMS AND PERCENTAGE OF CHANGE FROM PREVIOUS YEAR, BY TYPE OF PROGRAM: 1966-67 TO 1985-86[1]

ACADEMIC YEAR	ALL BASIC RN PROGRAMS		BACCALAUREATE PROGRAMS		ASSOCIATE DEGREE PROGRAMS		DIPLOMA PROGRAMS	
	Number of Admissions	Percent Change	Number of Admissions	Percent Change	Number of Admissions	Percent Change	Number of Admissions	Percent Change
1966-67	58,021	−3.6	14,012	+6.9	11,137	+30.3	32,872	−14.7
1967-68	60,673	+4.6	14,813	+5.7	14,577	+30.9	31,283	−4.8
1968-69	63,408	+4.5	15,901	+7.3	18,536	+27.2	28,971	−7.4
1969-70	74,598	+17.6	18,942	+19.1	25,142	+35.6	30,514	+5.3
1970-71	78,524	+5.3	20,299	+7.2	29,433	+17.1	28,792	−5.6
1971-72	93,344	+18.9	27,228	+34.1	36,454	+23.8	29,662	+3.0
1972-73	103,789	+11.2	30,348	+11.5	43,733	+20.0	29,708	+0.1
1973-74	107,344	+3.4	32,461	+7.0	47,940	+9.6	26,943	−9.3
1974-75	109,020	+1.6	34,956	+7.7	49,368	+3.0	24,696	−8.3
1975-76	112,174	+2.9	36,320	+3.9	52,232	+5.8	23,622	−4.3
1976-77	112,523	+0.3	36,670	+1.0	53,610	+2.6	22,243	−5.8
1977-78	110,950	−1.4	37,348	+1.8	52,991	−1.1	20,611	−7.3
1978-79	107,476	−3.2	35,611	−4.7	53,366	+0.7	18,499	−10.2
1979-80	105,952	−1.4	35,414	−0.5	53,633	+0.5	16,905	−8.6
1980-81	110,201	+4.0	35,808	+1.1	56,899	+6.1	17,494	+3.5
1981-82	115,279	+4.6	35,928	+0.3	60,423	+6.1	18,928	+8.1
1982-83	120,579	+4.6	37,264	+3.7	63,947	+5.8	19,368	+2.3
1983-84	123,824	+2.7	39,400	+5.7	66,576	+4.1	17,848	−7.8
1984-85	118,224	−4.5	39,573	+0.4	63,776	−4.2	14,875	−16.7
1985-86	100,791	−14.7	34,310	−13.3	56,635	−11.2	9,846	−33.0

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands

Table 15

ANNUAL ADMISSIONS TO PUBLIC AND PRIVATE BASIC RN PROGRAMS, BY TYPE OF PROGRAM: 1976-77 TO 1985-86[1]

PUBLIC AND PRIVATE NURSING PROGRAMS	NUMBER OF ANNUAL ADMISSIONS									
	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86
All Programs	**112,523**	**110,950**	**107,476**	**105,952**	**110,201**	**115,279**	**120,579**	**123,824**	**118,224**	**100,791**
Public	74,048	73,101	72,447	71,196	74,238	78,305	81,518	85,474	81,198	71,921
Private	38,475	37,849	35,029	34,756	35,923	36,974	39,061	38,350	37,026	28,870
Baccalaureate	36,670	37,348	35,611	35,414	35,808	35,928	37,264	39,400	39,573	34,310
Public	22,905	22,893	21,948	21,454	21,963	22,502	23,226	23,803	23,871	19,747
Private	13,765	14,455	13,663	13,960	13,845	13,426	14,038	15,597	15,702	14,563
Associate Degree	53,610	52,991	53,366	53,633	56,899	60,423	63,947	66,576	63,776	56,635
Public	48,311	47,644	48,178	47,593	50,260	53,280	55,473	59,209	55,150	50,549
Private	5,299	5,347	5,188	6,040	6,639	7,143	8,474	7,367	8,626	6,086
Diploma	22,243	20,611	18,499	16,905	17,494	18,928	19,368	17,848	14,875	9,846
Public	2,832	2,564	2,321	2,149	2,015	2,523	2,819	2,462	2,177	1,625
Private	19,411	18,047	16,178	14,756	15,479	16,405	16,549	15,386	12,698	8,221

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands

Table 16

ANNUAL ADMISSIONS TO ALL BASIC RN PROGRAMS, BY NLN REGION AND STATE: 1976-77 TO 1985-86[1]

NLN REGION AND STATE	NUMBER OF ADMISSIONS									
	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86
United States	**112,523**	**110,950**	**107,476**	**105,941**	**110,201**	**115,279**	**120,579**	**123,824**	**118,224**	**100,791**
North Atlantic	31,173	31,263	30,004	29,149	29,185	29,530	31,537	31,964	31,738	27,818
Midwest	32,452	31,117	30,351	30,428	32,133	35,083	35,083	35,630	33,478	27,305
South	34,704	34,855	33,450	32,722	33,866	35,463	38,760	39,576	38,089	31,702
West	14,194	13,715	13,671	13,653	15,017	15,203	15,199	16,654	14,919	13,966
Alabama	2,244	2,690	2,737	2,393	2,744	2,754	3,297	3,139	3,074	2,158
Alaska	66	77	141	178	152	152	169	135	188	171
Arizona	1,213	1,059	1,093	1,185	1,266	1,159	1,401	1,518	1,213	1,024
Arkansas	1,091	1,282	1,006	1,143	1,291	1,425	1,375	1,312	1,143	937
California	6,543	6,508	6,471	6,626	7,596	7,363	7,263	7,921	7,568	7,013
Colorado	982	883	968	775	929	864	1,208	996	854	787
Connecticut	1,430	1,565	1,412	1,361	1,372	1,336	1,359	1,462	1,372	1,266
Delaware	504	533	493	479	508	523	597	541	416	413
District of Columbia	885	729	680	700	727	840	563	519	628	627
Florida	3,328	3,538	3,425	3,422	3,818	4,178	4,269	4,232	4,269	3,508
Georgia	2,342	2,285	2,359	1,935	1,991	2,206	2,358	2,448	2,953	2,060
Hawaii	220	210	219	243	244	219	288	240	262	372
Idaho	353	387	383	335	347	432	368	342	298	303
Illinois	6,321	5,840	5,838	5,705	5,882	6,355	6,393	6,710	5,881	5,255
Indiana	2,940	2,813	2,590	2,596	2,872	2,643	3,180	3,312	3,055	2,551
Iowa	1,970	2,099	1,994	2,087	2,054	2,290	2,454	2,281	2,206	1,625
Kansas	1,229	1,239	1,277	1,263	1,295	1,383	1,434	1,716	1,571	1,131
Kentucky	2,023	1,978	1,823	1,856	1,820	1,854	1,970	2,195	2,180	2,236
Louisiana	1,860	2,002	1,744	1,732	1,573	1,838	1,929	2,096	2,062	1,768
Maine	610	609	546	578	607	555	625	663	650	490
Maryland	2,159	1,990	1,849	1,781	1,960	2,022	2,266	2,243	2,313	1,788
Massachusetts	3,750	3,607	3,577	3,429	3,527	3,690	4,057	3,627	3,558	3,065
Michigan	4,611	4,336	3,980	3,959	4,137	4,255	4,214	4,525	4,820	3,893
Minnesota	2,229	2,234	2,196	2,205	2,326	2,343	2,340	2,222	1,779	1,343
Mississippi	1,583	1,448	1,398	1,453	1,518	1,610	1,794	1,905	1,825	1,524
Missouri	2,619	2,515	2,434	2,460	2,499	2,711	2,668	2,797	2,430	2,081
Montana	386	399	306	337	366	420	459	426	312	305
Nebraska	1,016	960	843	923	1,050	1,114	1,029	870	1,366	567
Nevada	178	193	205	211	242	263	249	281	251	204
New Hampshire	467	457	346	436	440	441	506	586	523	412
New Jersey	3,434	3,441	3,271	3,317	3,192	3,266	3,653	3,536	4,016	3,275
New Mexico	557	464	457	468	533	669	601	614	552	421
New York	12,432	12,512	12,247	11,674	11,251	11,044	11,899	12,438	12,601	11,845
North Carolina	2,807	2,660	2,762	3,004	2,965	2,962	3,179	3,471	3,007	2,796
North Dakota	567	433	625	519	650	678	603	548	609	327
Ohio	5,882	5,530	5,483	5,476	5,883	6,763	6,630	7,047	6,302	5,203
Oklahoma	1,226	1,253	1,116	1,237	1,337	1,317	1,390	1,385	1,182	1,232
Oregon	1,069	967	979	1,003	1,047	953	981	1,191	1,031	924
Pennsylvania	6,524	6,640	6,324	6,171	6,570	6,731	7,156	7,224	6,739	5,742
Rhode Island	832	861	823	739	726	831	822	1,063	962	522
South Carolina	1,140	1,140	1,184	1,013	1,006	1,356	1,391	1,472	1,587	1,231
South Dakota	611	646	665	573	636	716	720	718	628	361
Tennessee	2,585	2,623	2,512	2,557	2,984	3,220	3,069	2,974	3,099	2,341
Texas	6,399	5,977	5,784	5,631	5,121	4,998	5,977	6,192	5,514	5,053
Utah	467	518	507	454	435	698	439	652	447	473
Vermont	305	309	285	265	265	273	336	305	273	211
Virginia	2,701	2,683	2,541	2,481	2,546	2,515	2,901	2,878	2,588	2,024
Washington	2,023	1,914	1,806	1,701	1,734	1,886	1,587	2,158	1,730	1,751
West Virginia	1,109	1,169	1,080	1,084	1,192	1,208	1,559	1,634	1,293	1,046
Wisconsin	2,564	2,609	2,556	2,662	2,849	3,832	3,399	2,884	2,831	2,968
Wyoming	137	136	136	137	126	125	205	180	195	168
American Samoa	0	0	0	0	0	18	18	0	0	34
Guam	58	51	35	11	20	28	41	39	19	29
Puerto Rico	868	890	1,186	1,387	1,809	1,553	1,880	1,748	2,134	3,263
Virgin Islands	30	37	20	18	27	18	15	31	26	28

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands

Table 17

ANNUAL ADMISSIONS TO BACCALAUREATE NURSING PROGRAMS, BY NLN REGION AND STATE: 1976-77 TO 1985-86[1]

REGION AND STATE	NUMBER OF ADMISSIONS									
	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86
United States	**36,670**	**37,348**	**35,611**	**35,414**	**35,808**	**35,928**	**37,264**	**39,400**	**38,573**	**34,310**
North Atlantic	10,484	11,269	10,767	10,670	10,244	10,050	10,273	10,347	10,987	9,491
Midwest	9,614	9,345	9,030	9,355	9,817	10,614	10,715	10,822	10,846	9,704
South	11,893	12,149	11,524	11,125	11,372	11,040	11,679	12,877	12,866	10,584
West	4,679	4,585	4,290	4,264	4,375	4,224	4,597	5,354	4,874	4,531
Alabama	1,100	1,429	1,390	1,140	1,356	1,348	1,318	1,437	1,367	861
Alaska	29	39	99	138	112	112	104	95	126	132
Arizona	493	437	450	506	504	423	695	719	455	314
Arkansas	293	356	307	396	458	451	430	292	313	258
California	1,735	1,864	1,675	1,665	1,754	1,621	1,756	2,111	2,142	2,083
Colorado	492	441	400	355	385	397	546	382	361	347
Connecticut	571	610	533	492	484	521	474	527	520	374
Delaware	247	246	231	223	250	268	295	262	209	171
District of Columbia	677	610	521	532	567	491	443	397	508	562
Florida	562	723	677	661	748	711	812	867	994	926
Georgia	419	358	664	382	466	624	589	753	925	725
Hawaii	65	64	84	90	78	65	144	73	115	147
Idaho	67	98	112	55	58	48	43	52	45	45
Illinois	1,461	1,293	1,342	1,419	1,470	1,732	1,703	1,775	1,603	1,694
Indiana	1,041	1,004	934	900	996	698	1,291	1,490	1,224	1,207
Iowa	604	633	537	558	528	635	579	569	596	451
Kansas	415	446	507	523	572	544	530	596	520	436
Kentucky	481	473	325	292	286	322	385	543	612	977
Louisiana	894	1,038	859	805	724	843	738	1,017	996	974
Maine	213	216	187	208	220	167	183	275	329	206
Maryland	662	569	554	503	537	500	627	640	772	612
Massachusetts	1,068	1,160	1,258	1,308	1,381	1,315	1,657	1,345	1,388	1,114
Michigan	1,285	1,348	1,256	1,236	1,309	1,176	1,161	1,287	1,301	1,100
Minnesota	783	763	720	754	685	624	677	639	549	503
Mississippi	598	504	411	476	469	520	562	631	638	407
Missouri	637	558	576	624	705	655	584	669	650	631
Montana	240	294	221	253	264	244	307	280	199	187
Nebraska	209	243	123	229	247	254	299	202	721	346
Nevada	60	62	58	50	48	61	58	67	61	42
New Hampshire	146	164	151	182	199	218	209	165	161	117
New Jersey	805	864	858	945	708	756	838	702	1,168	1,027
New Mexico	209	128	79	89	102	204	153	134	96	26
New York	4,314	4,525	4,340	4,090	3,586	3,441	3,392	3,434	3,627	3,669
North Carolina	1,086	833	885	1,090	1,028	814	788	968	779	587
North Dakota	275	154	274	213	340	327	328	227	331	179
Ohio	1,411	1,412	1,308	1,347	1,319	1,367	1,598	1,747	1,820	1,389
Oklahoma	454	491	346	487	555	462	521	560	428	455
Oregon	309	244	194	223	236	119	118	413	359	292
Pennsylvania	1,860	2,237	2,088	2,139	2,318	2,282	2,271	2,420	2,329	2,025
Rhode Island	482	537	487	456	430	492	405	719	646	203
South Carolina	364	401	450	352	354	448	338	592	778	469
South Dakota	257	266	310	274	276	299	280	329	255	143
Tennessee	636	734	761	787	1,064	1,112	881	801	1,081	629
Texas	2,958	2,720	2,565	2,554	2,253	1,891	2,310	2,261	2,029	1,898
Utah	131	145	139	104	99	203	68	254	201	212
Vermont	101	100	103	95	101	99	106	101	102	73
Virginia	1,026	1,063	951	957	836	766	1,029	985	856	662
Washington	774	705	713	668	689	684	534	729	641	801
West Virginia	253	280	249	243	238	228	351	530	299	344
Wisconsin	1,343	1,362	1,273	1,278	1,370	2,303	1,685	1,292	1,276	1,625
Wyoming	75	64	66	68	46	43	71	45	73	53
American Samoa	0	0	0	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0	0	0	0
Puerto Rico	277	316	476	621	967	825	1,069	1,067	1,587	2,466
Virgin Islands	0	0	0	0	0	0	1	6	10	10

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 18

ANNUAL ADMISSIONS TO ASSOCIATE DEGREE NURSING PROGRAMS, BY NLN REGION AND STATE: 1976-77 TO 1985-86[1]

NLN REGION AND STATE	NUMBER OF ANNUAL ADMISSIONS									
	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86
United States	**53,610**	**52,991**	**53,366**	**53,633**	**56,899**	**60,423**	**63,947**	**66,576**	**63,776**	**56,635**
North Atlantic	12,598	12,635	12,728	12,559	12,736	12,965	14,128	14,875	14,889	14,089
Midwest	13,592	13,091	13,376	13,913	14,904	16,276	16,397	17,455	16,807	14,012
South	18,623	18,806	18,489	18,374	19,240	20,816	23,321	23,330	22,307	19,285
West	8,797	8,459	8,773	8,787	10,019	10,366	10,101	10,916	9,773	9,249
Alabama	970	1,089	1,192	1,085	1,227	1,230	1,793	1,535	1,584	1,265
Alaska	37	38	42	40	40	40	65	40	62	39
Arizona	720	622	643	679	762	736	706	799	776	710
Arkansas	700	819	601	644	677	792	759	811	661	576
California	4,429	4,266	4,395	4,552	5,411	5,313	5,229	5,535	5,196	4,744
Colorado	376	360	485	347	464	407	581	505	451	440
Connecticut	499	598	517	532	534	503	550	588	535	712
Delaware	162	171	184	173	174	175	203	216	187	224
District of Columbia	151	63	100	125	160	349	120	122	120	65
Florida	2,558	2,603	2,570	2,594	3,000	3,335	3,276	3,205	3,144	2,513
Georgia	1,444	1,474	1,396	1,301	1,359	1,384	1,568	1,493	1,890	1,233
Hawaii	155	146	135	153	166	154	144	167	147	225
Idaho	286	289	271	280	289	384	325	290	253	258
Illinois	2,950	2,779	2,875	2,927	3,085	3,149	3,285	3,586	3,142	2,847
Indiana	1,379	1,364	1,279	1,321	1,444	1,519	1,456	1,370	1,365	1,041
Iowa	791	848	890	1,032	1,025	1,053	1,248	1,125	1,246	968
Kansas	472	467	516	551	605	706	709	909	885	608
Kentucky	1,437	1,385	1,370	1,446	1,426	1,472	1,585	1,652	1,568	1,259
Louisiana	634	643	577	635	528	665	795	742	713	457
Maine	222	222	227	218	231	273	286	290	238	260
Maryland	1,241	1,206	1,084	1,091	1,183	1,244	1,346	1,306	1,226	1,077
Massachusetts	1,327	1,322	1,306	1,246	1,267	1,406	1,474	1,472	1,570	1,517
Michigan	2,427	2,164	2,166	2,195	2,253	2,541	2,537	2,919	3,155	2,489
Minnesota	1,158	1,183	1,210	1,188	1,339	1,455	1,412	1,364	1,133	840
Mississippi	873	868	965	918	989	1,054	1,202	1,235	1,187	1,117
Missouri	844	896	881	901	887	1,040	1,037	1,123	1,022	938
Montana	146	105	85	84	102	176	152	146	113	118
Nebraska	330	280	282	297	310	324	304	237	265	70
Nevada	118	131	147	161	194	202	191	214	190	162
New Hampshire	103	93	70	109	108	159	218	343	316	251
New Jersey	1,514	1,540	1,483	1,527	1,572	1,498	1,656	1,534	1,538	1,267
New Mexico	348	336	378	379	431	465	448	480	456	395
New York	6,398	6,441	6,740	6,490	6,506	6,365	7,242	7,395	8,036	7,521
North Carolina	1,396	1,451	1,561	1,629	1,676	1,826	2,082	2,171	1,960	2,042
North Dakota	124	128	125	137	144	134	133	155	156	89
Ohio	2,272	2,088	2,185	2,279	2,589	2,961	2,704	3,165	2,908	2,689
Oklahoma	691	655	707	727	751	824	869	825	754	777
Oregon	627	599	661	660	699	710	721	778	672	632
Pennsylvania	1,757	1,732	1,674	1,755	1,799	1,811	1,935	1,974	1,938	1,884
Rhode Island	261	244	245	214	221	252	250	237	240	250
South Carolina	744	705	700	641	624	865	1,021	844	803	749
South Dakota	226	248	233	194	226	271	296	277	289	186
Tennessee	1,352	1,330	1,270	1,246	1,304	1,422	1,336	1,451	1,266	1,261
Texas	2,848	2,774	2,773	2,709	2,508	2,690	3,363	3,777	3,341	3,245
Utah	336	373	368	350	336	495	371	398	246	267
Vermont	204	209	182	170	164	174	230	204	171	138
Virginia	1,006	1,030	1,018	1,007	1,177	1,194	1,237	1,316	1,325	1,073
Washington	1,157	1,122	1,093	1,033	1,045	1,202	1,053	1,429	1,089	1,150
West Virginia	729	774	705	701	811	819	1,053	967	885	641
Wisconsin	619	646	734	891	997	1,123	1,257	1,225	1,241	1,247
Wyoming	62	72	70	69	80	82	134	135	122	115
American Samoa	0	0	0	0	0	18	18	0	0	34
Guam	58	51	35	11	20	28	41	39	29	29
Puerto Rico	591	574	710	766	842	728	811	681	547	797
Virgin Islands	30	37	20	18	27	18	14	25	216	18

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 19

ANNUAL ADMISSIONS TO DIPLOMA NURSING PROGRAMS, BY NLN REGION AND STATE: 1976-77 TO 1985-86[1]

REGION AND STATE	NUMBER OF ANNUAL ADMISSIONS									
	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86
United States	**22,243**	**20,611**	**18,499**	**16,905**	**17,494**	**18,928**	**19,368**	**17,848**	**14,875**	**9,846**
North Atlantic	8,091	7,359	6,509	5,920	6,205	6,515	7,136	6,742	5,862	4,238
Midwest	9,246	8,681	7,945	7,160	7,412	8,193	7,971	7,353	5,825	3,589
South	4,188	3,900	3,437	3,223	3,254	3,607	3,760	3,369	2,916	1,833
West	718	671	608	602	623	613	501	384	272	186
Alabama	174	172	155	168	161	176	186	167	123	32
Alaska	0	0	0	0	0	0	0	0	0	–
Arizona	0	0	0	0	0	0	0	0	0	–
Arkansas	98	107	98	103	156	182	186	209	169	103
California	379	378	401	409	431	429	278	275	230	186
Colorado	114	82	83	73	80	60	81	109	42	0
Connecticut	360	357	362	337	354	312	335	347	317	180
Delaware	95	116	78	83	84	80	99	63	20	18
District of Columbia	57	56	59	43	0	0	0	0	0	–
Florida	208	212	178	167	70	132	181	160	131	69
Georgia	479	453	299	252	166	198	201	202	138	102
Hawaii	0	0	0	0	0	0	0	0	0	–
Idaho	0	0	0	0	0	0	0	0	0	–
Illinois	1,910	1,768	1,621	1,359	1,327	1,474	1,405	1,349	1,136	714
Indiana	520	445	377	375	432	426	433	452	466	303
Iowa	575	618	567	497	501	602	627	587	364	206
Kansas	342	326	254	189	118	133	195	211	166	87
Kentucky	105	120	128	118	108	60	0	0	0	–
Louisiana	332	321	308	292	321	330	396	337	353	337
Maine	175	171	132	152	156	115	156	98	83	24
Maryland	256	215	211	187	240	278	293	297	315	99
Massachusetts	1,355	1,125	1,013	875	879	969	926	810	600	434
Michigan	899	824	558	528	575	538	516	319	364	304
Minnesota	288	288	266	263	302	264	251	219	97	0
Mississippi	112	76	22	59	60	36	30	39	0	–
Missouri	1,138	1,061	977	935	907	1,016	1,047	1,005	758	512
Montana	0	0	0	0	0	0	0	0	0	–
Nebraska	477	437	438	397	493	536	426	431	380	151
Nevada	0	0	0	0	0	0	0	0	0	–
New Hampshire	218	200	115	145	133	64	79	78	46	44
New Jersey	1,115	1,037	930	845	912	1,012	1,159	1,300	1,310	981
New Mexico	0	0	0	0	0	0	0	0	0	–
New York	1,720	1,546	1,167	1,094	1,159	1,238	1,265	1,109	938	655
North Carolina	325	316	316	285	261	322	309	332	268	167
North Dakota	168	151	226	169	166	217	142	166	122	59
Ohio	2,199	2,030	1,990	1,850	1,975	2,435	2,328	2,135	1,574	1,125
Oklahoma	81	107	63	23	31	31	0	0	0	–
Oregon	133	124	124	120	112	124	142	0	0	–
Pennsylvania	2,907	2,671	2,562	2,277	2,453	2,638	2,950	2,830	2,472	1,833
Rhode Island	89	80	91	69	75	87	167	107	76	69
South Carolina	32	34	34	20	28	43	32	36	6	13
South Dakota	128	132	122	105	134	146	144	112	84	32
Tennessee	597	559	481	524	616	686	852	722	753	451
Texas	593	483	446	368	360	417	304	154	144	110
Utah	0	0	0	0	0	0	0	0	0	–
Vermont	0	0	0	0	0	0	0	0	0	–
Virginia	669	590	572	517	533	555	635	577	407	289
Washington	92	87	0	0	0	0	0	0	0	–
West Virginia	127	135	126	140	143	161	155	137	109	61
Wisconsin	602	601	549	493	482	406	457	367	314	96
Wyoming	0	0	0	0	0	0	0	0	0	–
American Samoa	0	0	0	0	0	0	0	0	0	–
Guam	0	0	0	0	0	0	0	0	0	–
Puerto Rico	0	0	0	0	0	0	0	0	0	–
Virgin Islands	0	0	0	0	0	0	0	0	0	–

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 20

ANNUAL ADMISSIONS IN BASIC RN PROGRAMS, BY TYPE OF PROGRAM AND NLN ACCREDITATION STATUS: AUGUST 1, 1985 TO JULY 31, 1986[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS	NUMBER OF ANNUAL ADMISSIONS											
		ALL BASIC RN PROGRAMS			BACCALAUREATE PROGRAMS			ASSOCIATE DEGREE PROGRAMS			DIPLOMA PROGRAMS		
		Total	Accredited	Not Accredited	Total	Accredited	Not Accredited	Total	Accredited	Not Accredited	Total	Accredited	Not Accredited
United States	**1,469**	**100,791**	**82,715**	**18,076**	**34,310**	**32,293**	**2,017**	**56,635**	**40,649**	**15,986**	**9,846**	**9,773**	**73**
North Atlantic	359	27,818	25,543	2,275	9,491	9,281	210	14,089	12,067	2,022	4,238	4,195	43
Midwest	429	27,305	22,143	5,162	9,704	9,078	626	14,012	9,476	4,536	3,589	3,589	0
South	478	31,702	25,928	5,774	10,584	9,785	799	19,285	14,340	4,945	1,833	1,803	30
West	203	13,966	9,101	4,865	4,531	4,149	382	9,249	4,766	4,483	186	186	0
Alabama	36	2,158	2,138	20	861	861	0	1,265	1,245	20	32	32	0
Alaska	2	171	171	0	132	132	0	39	39	0	0	0	0
Arizona	15	1,024	1,008	16	314	314	0	710	694	16	0	0	0
Arkansas	20	937	833	104	258	258	0	576	472	104	103	103	0
California	90	7,013	3,659	3,354	2,083	1,951	132	4,744	1,522	3,222	186	186	0
Colorado	13	787	547	240	347	314	33	440	233	207	0	0	0
Connecticut	18	1,266	1,266	0	374	374	0	712	712	0	180	180	0
Delaware	6	413	316	97	171	136	35	224	162	62	18	18	0
District of Columbia	6	627	627	0	562	562	0	65	65	0	0	0	0
Florida	40	3,508	2,542	966	926	806	120	2,513	1,667	846	69	69	0
Georgia	34	2,060	1,962	98	725	627	98	1,233	1,233	0	102	102	0
Hawaii	6	372	297	75	147	196	51	225	201	24	0	0	0
Idaho	6	303	303	0	45	45	0	258	258	0	0	0	0
Illinois	77	5,255	4,201	1,054	1,694	1,623	71	2,847	1,864	983	714	714	0
Indiana	36	2,551	2,398	153	1,207	1,096	111	1,041	999	42	303	303	0
Iowa	39	1,625	749	876	451	451	0	968	92	876	206	206	0
Kansas	30	1,131	1,112	19	436	436	0	608	589	19	87	87	0
Kentucky	28	2,236	1,760	476	977	948	29	1,259	812	447	0	0	0
Louisiana	22	1,768	1,509	259	974	775	199	457	397	60	337	337	0
Maine	14	490	402	88	206	206	0	260	172	88	24	24	0
Maryland	24	1,788	1,510	278	612	612	0	1,077	799	278	99	99	0
Massachusetts	46	3,065	2,880	185	1,114	1,114	0	1,517	1,332	185	434	434	0
Michigan	50	3,893	2,335	1,558	1,100	1,100	0	2,489	931	1,558	304	304	0
Minnesota	25	1,343	1,080	263	503	460	43	840	620	220	0	0	0
Mississippi	21	1,524	1,182	342	407	407	0	1,117	775	342	0	0	0
Missouri	41	2,081	1,632	449	631	500	131	938	620	318	512	512	0
Montana	6	305	187	118	187	187	0	118	0	118	0	0	0
Nebraska	13	567	481	86	346	260	86	70	70	0	151	151	0
Nevada	5	204	148	56	42	42	0	162	106	56	0	0	0
New Hampshire	10	412	238	174	117	117	0	251	77	174	44	44	0
New Jersey	38	3,275	3,275	0	1,027	1,027	0	1,267	1,267	0	981	981	0
New Mexico	13	421	180	241	26	26	0	395	154	241	0	0	0
New York	110	11,845	10,792	1,053	3,669	3,610	59	7,521	6,570	951	655	612	43
North Carolina	56	2,796	932	1,864	587	567	20	2,042	215	1,827	167	150	17
North Dakota	9	327	327	0	179	179	0	89	89	0	59	59	0
Ohio	69	5,203	4,866	337	1,389	1,389	0	2,689	2,352	337	1,125	1,125	0
Oklahoma	27	1,232	1,149	83	455	414	41	777	735	42	0	0	0
Oregon	17	924	578	346	292	176	116	632	402	230	0	0	0
Pennsylvania	98	5,742	5,034	708	2,025	1,859	166	1,884	1,342	542	1,833	1,833	0
Rhode Island	7	522	522	0	203	203	0	250	250	0	69	69	0
South Carolina	19	1,231	945	286	469	415	54	749	530	219	13	0	13
South Dakota	8	361	339	22	143	143	0	186	164	22	32	32	0
Tennessee	35	2,341	2,278	63	629	566	63	1,261	1,261	0	451	451	0
Texas	64	5,053	4,548	505	1,698	1,698	0	3,245	2,740	505	110	110	0
Utah	4	473	473	0	212	212	0	261	261	0	0	0	0
Vermont	5	211	191	20	73	73	0	138	118	20	0	0	0
Virginia	35	2,024	1,862	162	662	648	14	1,073	925	148	289	289	0
Washington	23	1,751	1,405	346	601	601	0	1,150	804	346	0	0	0
West Virginia	18	1,046	778	268	344	183	161	641	534	107	61	61	0
Wisconsin	32	2,968	2,623	345	1,625	1,441	184	1,247	1,086	161	96	96	0
Wyoming	5	168	145	23	53	53	0	115	92	23	0	0	0
American Samoa	1	34	0	34	0	0	0	34	0	34	–	–	–
Guam	1	29	0	29	0	0	0	29	0	29	–	–	–
Puerto Rico	20	3,263	1,932	1,331	2,466	1,589	877	797	343	454	–	–	–
Virgin Islands	2	28	18	10	10	0	10	18	18	0	–	–	–

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

ENROLLMENTS

Enrollments in Basic RN Programs (Tables 21-27)

- Enrollment figures, as of October 15, 1986, reveal significant decreases in all types of programs. Diploma programs reported a drop of 25 percent in enrollments; associate degree programs reported a decrease of about 7.5 percent; and baccalaureate programs reported a 10.3 percent decrease in enrollments.

- An 8.5 percent decline in enrollments was reported at public institutions, and 15.9 percent decline was registered at private institutions. (see Table 22).

- Total enrollments registered at 193,712, an 11.1 percent decrease over 1985. All regions experienced a decline in enrollments. The South reported the smallest drop—8.8 percent, whereas the Midwest reported the largest—13.7 percent (see Table 23).

- All regions reported decreases in baccalaureate program enrollments. The losses ranged from 7.2 percent in the South to 14.3 percent in the North Atlantic (see Table 24).

- Enrollments declined in associate degree programs across all regions. The Midwest reported a decrease of 9.5 percent; the West and the South reported 7.7 percent drops. The smallest decline in associate degree enrollments occurred in the North Atlantic—5.1 percent (see Table 25).

- All regions reported significant decreases in diploma program enrollments, from 33 percent in the Midwest to 18 percent in the North Atlantic (see Table 26).

- Of the 193,712 total enrollments in all basic RN programs, 85 percent (165,474) were in programs accredited by NLN. Diploma programs reported that 99 percent of their enrollments were in accredited programs, and 94 percent of the baccalaureate enrollments were in accredited programs. Only 74 percent of associate degree enrollments were from NLN-accredited programs (see Table 27).

- **TEN-YEAR TREND:** Enrollments in all basic programs declined 21 percent in the past decade. The dramatic 57 percent decrease in diploma program enrollments accounts for much of this decline. Baccalaureate program enrollments hit its peak in 1977 and has fallen 19 percent in the last ten years. Associate degree enrollments decreased 2.2 percent during the same time period.

Table 21

ENROLLMENTS IN BASIC RN PROGRAMS AND PERCENTAGE CHANGE FROM PREVIOUS YEAR, BY TYPE OF PROGRAM: 1967 TO 1986[1]

YEAR	ALL BASIC RN PROGRAMS		BACCALAUREATE PROGRAMS		ASSOCIATE DEGREE PROGRAMS		DIPLOMA PROGRAMS	
	Number of Enrollments	Percent Change	Number of Enrollments	Percent Change	Number of Enrollments	Percent Change	Number of Enrollments	Percent Change
1967	140,631	+1.9	36,456	+10.6	20,660	+17.9	83,515	−7.0
1968	144,024	+2.4	40,157	+10.1	27,009	+30.7	76,858	−8.0
1969	149,124	+3.5	43,286	+7.8	33,917	+25.6	71,921	−6.4
1970	162,924	+9.2	48,657	+12.4	43,855	+29.3	70,412	−2.1
1971	185,869	+14.1	59,454	+22.2	55,425	+26.4	70,990	+0.8
1972	211,239	+13.6	73,499	+23.6	66,402	+19.8	71,338	+0.5
1973	230,803	+9.3	84,738	+15.3	77,508	+16.7	68,557	−3.9
1974	242,551	+5.1	94,413	+11.4	84,166	+8.6	63,972	−6.7
1975	248,171	+2.3	99,837	+5.7	88,121	+4.7	60,213	−5.9
1976	247,044	−0.4	99,949	+0.1	91,004	+3.3	56,091	−6.8
1977	245,390	−0.7	101,430	+1.5	91,102	+0.1	52,858	−5.8
1978	239,486	−2.4	99,900	−1.5	91,527	+0.5	48,059	−9.1
1979	234,659	−2.0	98,939	−1.0	92,069	+0.6	43,651	−9.2
1980	230,966	−1.6	95,858	−3.1	94,060	+2.2	41,048	−6.0
1981	234,995	+1.7	93,967	−2.0	100,019	+6.3	41,009	−0.1
1982	242,035	+3.0	94,363	+0.4	105,324	+5.3	42,348	+3.3
1983	250,553	+3.5	98,941	+4.9	109,605	+4.1	42,007	−0.8
1984	237,232	−5.3	95,008	−4.0	104,968	−4.2	37,256	−11.3
1985	217,955	−8.1	91,020	−4.2	96,756	−7.8	30,179	−19.0
1986	193,712	−11.1	81,602	−10.3	89,469	−7.5	22,641	−25.0

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 22

ENROLLMENTS IN PUBLIC AND PRIVATE BASIC RN PROGRAMS, BY TYPE OF PROGRAM: 1977 TO 1986[1]

PUBLIC AND PRIVATE NURSING PROGRAMS	TOTAL ENROLLMENTS									
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
All Programs	**245,390**	**239,486**	**234,659**	**230,966**	**234,995**	**242,035**	**250,553**	**237,232**	**217,955**	**193,715**
Public	149,444	147,530	147,678	142,857	146,260	153,095	158,005	153,057	141,399	129,362
Private	95,946	91,956	86,981	88,109	88,735	88,940	92,548	84,175	76,556	64,350
Baccalaureate	101,430	99,900	98,939	95,858	93,967	94,363	98,941	95,008	91,020	81,602
Public	60,940	59,462	59,109	55,631	54,664	55,514	57,952	55,390	53,450	47,329
Private	40,490	40,438	39,830	40,227	39,303	38,849	40,989	39,618	37,570	34,273
Associate Degree	91,102	91,527	92,069	94,060	100,019	105,324	109,605	104,968	96,756	89,469
Public	81,790	82,205	83,307	82,314	86,887	92,042	93,997	92,245	83,693	78,207
Private	9,312	9,322	8,762	11,746	13,132	13,282	15,608	12,723	13,063	11,262
Diploma	52,858	48,059	43,651	41,048	41,009	42,348	42,007	37,256	30,179	22,641
Public	6,714	5,863	5,262	4,912	4,709	5,539	6,056	5,422	4,256	3,826
Private	46,144	42,196	38,389	36,136	36,300	36,809	35,951	31,834	25,923	18,815

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 23

TOTAL ENROLLMENTS IN ALL BASIC RN PROGRAMS, BY NLN REGION AND STATE: 1977 TO 1986[1]

NLN REGION AND STATE	NUMBER OF TOTAL ENROLLMENTS									
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
United States	**245,390**	**239,486**	**234,659**	**230,966**	**234,995**	**242,035**	**250,553**	**237,232**	**217,955**	**193,712**
North Atlantic	74,905	73,281	73,784	70,465	69,404	69,082	72,276	68,798	63,673	56,345
Midwest	71,664	70,299	67,164	67,715	69,842	72,835	74,347	69,521	63,247	54,591
South	70,710	67,980	65,662	64,896	66,082	70,947	74,145	69,343	63,911	58,316
West	28,111	27,926	28,049	27,890	29,667	29,171	29,765	29,570	27,124	24,460
Alabama	5,161	5,272	4,940	5,220	5,453	5,536	6,796	5,727	5,050	4,300
Alaska	220	298	331	332	344	322	348	377	377	455
Arizona	2,082	1,980	2,025	2,042	2,199	2,185	2,535	2,389	1,933	1,816
Arkansas	2,235	2,182	2,047	2,163	2,374	2,434	2,628	2,090	2,028	1,936
California	12,668	12,863	13,344	13,652	14,724	14,287	14,028	16,442	13,705	11,992
Colorado	2,172	2,125	2,031	2,003	1,857	1,859	1,884	1,533	1,546	1,446
Connecticut	3,645	3,704	3,517	3,446	3,324	3,233	3,442	3,232	2,995	2,551
Delaware	1,187	1,279	1,304	1,320	1,334	1,261	1,370	1,279	1,073	957
District of Columbia	2,171	2,410	2,036	2,032	1,640	1,404	1,929	1,354	1,251	1,055
Florida	5,967	6,140	6,199	6,147	6,769	7,196	7,127	6,796	6,398	5,545
Georgia	4,549	4,097	3,848	3,797	3,848	4,087	4,200	4,016	3,694	3,278
Hawaii	368	380	392	403	402	392	481	508	311	464
Idaho	721	712	678	623	676	674	663	604	467	470
Illinois	13,587	13,153	12,454	12,392	12,479	12,889	13,171	12,197	10,641	9,246
Indiana	6,814	6,526	6,224	6,364	6,329	6,807	6,948	6,690	6,280	6,260
Iowa	4,197	4,328	4,081	4,286	4,350	4,565	4,585	4,342	3,736	2,966
Kansas	2,417	2,393	2,330	2,314	2,583	2,685	2,834	2,722	2,255	1,775
Kentucky	3,648	3,571	3,437	3,227	3,262	3,395	3,932	3,801	3,724	3,521
Louisiana	4,755	4,287	4,172	4,165	4,070	4,401	3,927	4,656	4,779	5,081
Maine	1,340	1,366	1,334	1,318	1,162	1,159	1,192	1,137	1,017	910
Maryland	3,809	3,765	3,817	3,521	3,817	4,069	4,353	4,007	3,591	3,097
Massachusetts	9,673	9,251	8,949	9,056	8,928	9,050	9,595	9,277	8,190	7,119
Michigan	9,321	9,050	8,449	8,554	8,851	9,100	9,041	8,601	8,472	7,540
Minnesota	4,689	4,837	4,553	4,462	4,619	4,514	4,465	3,862	3,029	2,659
Mississippi	2,703	2,586	2,598	2,601	2,782	3,070	3,304	3,341	2,812	2,669
Missouri	5,759	5,660	5,433	5,470	5,630	5,694	5,832	5,357	4,799	4,218
Montana	1,055	945	895	867	873	1,034	1,155	1,060	947	887
Nebraska	2,373	2,186	2,070	2,079	2,269	2,303	2,281	1,932	2,413	1,266
Nevada	385	458	470	419	586	611	711	657	582	477
New Hampshire	1,223	1,094	1,050	1,030	1,034	1,098	1,180	1,211	1,076	819
New Jersey	7,877	7,794	7,569	7,300	7,221	7,055	7,413	7,041	6,792	5,942
New Mexico	982	936	1,000	970	1,042	1,054	1,089	1,052	971	757
New York	29,060	28,082	29,834	26,361	26,057	25,566	25,997	24,550	23,605	21,380
North Carolina	6,226	5,854	5,807	5,660	5,555	5,893	6,235	5,727	4,919	4,600
North Dakota	1,426	1,386	1,313	1,307	1,312	1,323	1,409	1,165	1,137	865
Ohio	13,140	12,780	12,506	12,407	13,111	14,200	14,644	13,866	12,722	11,156
Oklahoma	2,249	2,281	2,348	2,319	2,296	2,481	2,471	2,377	2,065	1,977
Oregon	2,015	1,906	1,898	1,880	2,011	2,007	2,198	2,032	2,075	1,676
Pennsylvania	15,949	15,664	15,460	15,898	15,884	16,456	17,685	16,801	15,759	13,832
Rhode Island	2,075	1,952	2,083	2,091	2,204	2,181	1,883	2,282	1,372	1,348
South Carolina	2,719	2,583	2,392	2,216	2,372	2,592	3,233	2,750	2,764	2,536
South Dakota	1,527	1,563	1,502	1,468	1,568	1,568	1,570	1,489	1,205	1,067
Tennessee	5,748	5,539	5,341	5,754	5,946	6,368	6,625	6,269	5,523	4,856
Texas	12,635	11,661	10,769	10,527	9,783	11,166	11,007	10,166	9,744	8,950
Utah	940	1,044	1,001	860	981	952	939	723	845	910
Vermont	705	685	648	613	616	619	664	634	543	432
Virginia	5,674	5,617	5,385	5,292	5,346	5,671	5,525	5,003	4,578	3,983
Washington	4,189	3,935	3,698	3,552	3,675	3,445	3,357	3,407	3,027	2,836
West Virginia	2,347	2,254	2,250	2,287	2,409	2,588	2,708	2,557	2,242	1,987
Wisconsin	6,699	6,738	6,561	6,612	6,741	7,187	7,564	7,298	6,558	5,573
Wyoming	314	344	286	287	297	349	400	386	338	337
American Samoa	0	0	0	0	10	18	24	26	11	14
Guam	127	91	49	41	49	53	82	54	60	60
Puerto Rico	2,168	2,643	2,844	3,819	3,393	3,375	4,020	3,563	3,144	3,642
Virgin Islands	54	39	28	38	26	28	44	57	55	56

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 24

TOTAL ENROLLMENTS IN BASIC BACCALAUREATE NURSING PROGRAMS, BY NLN REGION AND STATE: 1977 TO 1986[1]

NLN REGION AND STATE	NUMBER OF TOTAL ENROLLMENTS[2]									
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
United States	**101,430**	**99,900**	**98,939**	**95,858**	**93,967**	**94,363**	**98,941**	**95,008**	**91,020**	**81,602**
North Atlantic	32,036	32,814	34,602	31,808	30,915	30,016	30,788	29,066	26,914	23,065
Midwest	27,138	26,668	25,508	26,330	25,850	26,819	28,108	27,505	27,013	24,620
South	30,747	29,026	27,428	26,927	26,253	26,790	28,191	26,500	25,849	23,998
West	11,509	11,392	11,401	10,793	10,949	10,738	11,854	11,937	11,244	9,919
Alabama	3,094	3,158	2,775	2,984	3,087	3,016	3,641	2,856	2,763	2,276
Alaska	154	232	262	270	264	254	288	310	317	329
Arizona	940	959	970	900	951	923	1,150	1,212	822	765
Arkansas	872	833	727	856	893	818	875	567	626	594
California	4,393	4,472	4,815	4,570	4,636	4,440	4,789	5,115	5,139	4,258
Colorado	1,202	1,170	1,078	1,029	931	935	921	614	781	725
Connecticut	1,726	1,776	1,660	1,591	1,562	1,517	1,607	1,526	1,481	1,281
Delaware	790	820	842	879	852	817	886	813	738	625
District of Columbia	1,797	1,988	1,555	1,575	1,353	1,078	1,570	1,151	1,045	843
Florida	1,519	1,609	1,630	1,625	1,538	1,528	1,760	1,619	1,757	1,540
Georgia	997	949	1,069	1,084	1,203	1,208	1,244	1,276	1,197	1,025
Hawaii	127	144	161	145	114	128	244	220	58	228
Idaho	213	222	209	164	136	93	88	84	37	32
Illinois	4,314	4,194	4,043	4,241	4,033	4,169	4,518	4,514	4,096	3,826
Indiana	3,117	2,866	2,755	2,779	2,557	3,070	3,361	3,073	3,100	3,586
Iowa	1,492	1,474	1,391	1,444	1,333	1,288	1,301	1,320	1,235	1,057
Kansas	905	985	1,042	1,115	1,106	1,169	1,193	1,264	1,106	863
Kentucky	1,007	942	802	689	702	767	1,298	1,276	1,482	1,652
Louisiana	2,953	2,648	2,376	2,320	2,163	2,419	1,922	2,756	3,086	3,397
Maine	588	593	605	597	443	387	458	530	566	523
Maryland	1,221	1,159	1,186	1,077	1,228	1,229	1,329	1,215	1,187	1,166
Massachusetts	3,798	3,830	3,990	4,297	4,355	4,494	4,569	4,518	3,999	3,394
Michigan	3,671	3,576	3,502	3,484	3,499	3,313	3,439	3,576	3,663	3,283
Minnesota	1,707	1,927	1,670	1,697	1,691	1,628	1,635	1,515	1,275	1,138
Mississippi	1,124	964	968	966	1,017	1,068	1,164	1,315	1,005	1,179
Missouri	1,705	1,632	1,569	1,821	1,835	1,781	1,677	1,438	1,499	1,366
Montana	824	750	699	687	691	797	901	868	740	659
Nebraska	672	503	502	510	520	546	589	457	1,160	748
Nevada	97	95	99	87	246	249	349	265	236	181
New Hampshire	550	524	545	572	618	619	597	619	515	432
New Jersey	2,683	2,780	2,758	2,537	2,500	2,352	2,253	1,997	1,997	1,792
New Mexico	424	304	286	266	304	315	360	345	284	211
New York	12,315	12,546	14,312	11,008	10,362	9,820	9,555	8,723	8,313	6,826
North Carolina	3,081	2,691	2,606	2,452	2,224	2,212	2,266	2,101	1,831	1,623
North Dakota	828	836	744	740	737	747	764	601	693	606
Ohio	4,112	4,077	3,808	3,609	3,676	3,932	4,347	4,380	4,408	3,997
Oklahoma	956	1,000	990	1,015	953	993	1,056	1,086	877	740
Oregon	625	611	539	502	559	546	727	890	890	744
Pennsylvania	6,058	6,316	6,528	6,927	6,967	7,086	7,800	7,367	7,219	6,344
Rhode Island	1,392	1,299	1,486	1,520	1,588	1,521	1,206	1,500	750	754
South Carolina	1,344	1,345	1,236	1,118	1,102	1,140	1,319	1,420	1,411	1,195
South Dakota	774	834	839	837	854	847	851	794	688	624
Tennessee	2,118	1,936	1,894	2,259	2,286	2,157	2,404	2,174	1,980	1,785
Texas	7,131	6,402	5,789	5,546	4,990	5,352	4,938	4,310	4,262	3,792
Utah	375	382	328	301	273	278	292	395	450	407
Vermont	339	342	321	305	315	325	329	322	291	251
Virginia	2,369	2,425	2,400	2,292	2,228	2,243	2,200	1,822	1,736	1,488
Washington	1,909	1,825	1,780	1,711	1,683	1,582	1,535	1,427	1,312	1,179
West Virginia	676	674	668	644	639	640	733	707	649	546
Wisconsin	4,126	4,055	3,955	4,053	4,009	4,329	4,433	4,573	4,090	3,526
Wyoming	226	226	175	161	161	198	210	192	178	201
American Samoa	0	0	0	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0	0	0	0
Puerto Rico	1,064	1,339	1,505	2,332	2,132	2,065	2,674	2,424	2,292	2,708
Virgin Islands	0	0	0	0	0	1	6	27	28	26

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands

[2] Includes basic students only

Table 25

TOTAL ENROLLMENTS IN ASSOCIATE DEGREE NURSING PROGRAMS, BY NLN REGION AND STATE: 1977 TO 1986[1]

NLN REGION AND STATE	NUMBER OF TOTAL ENROLLMENTS									
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
United States	**91,102**	**91,527**	**92,069**	**94,060**	**100,019**	**105,324**	**109,585**	**104,968**	**96,756**	**89,469**
North Atlantic	23,105	22,946	23,383	23,670	23,942	24,105	26,117	25,459	24,468	23,213
Midwest	22,606	23,451	23,366	24,194	26,406	27,980	28,652	26,899	24,326	22,013
South	30,527	30,184	30,112	30,480	32,334	36,019	37,955	35,754	32,637	30,104
West	14,864	14,946	15,208	15,716	17,337	17,220	16,861	16,856	15,325	14,139
Alabama	1,598	1,698	1,747	1,831	1,938	2,102	2,730	2,488	2,065	1,900
Alaska	66	66	69	62	80	68	60	67	60	63
Arizona	1,142	1,021	1,055	1,142	1,248	1,262	1,385	1,177	1,111	1,051
Arkansas	1,187	1,068	1,089	1,065	1,180	1,253	1,316	1,164	1,067	1,012
California	7,504	7,560	7,701	8,208	9,181	9,129	8,635	9,218	8,091	7,344
Colorado	684	704	729	767	737	743	721	759	685	709
Connecticut	986	994	952	942	908	878	966	872	875	742
Delaware	247	312	296	294	322	285	281	349	285	285
District of Columbia	222	269	349	370	249	326	359	203	206	212
Florida	3,945	4,017	4,082	4,236	4,945	5,372	5,055	4,868	4,423	3,854
Georgia	2,417	2,270	2,093	2,160	2,183	2,454	2,531	2,313	2,124	1,971
Hawaii	241	236	231	258	288	264	237	288	253	236
Idaho	508	490	469	459	540	581	575	520	430	438
Illinois	5,008	4,985	4,900	5,005	5,294	5,549	5,672	5,137	4,677	4,243
Indiana	2,444	2,548	2,466	2,570	2,761	2,719	2,560	2,535	2,217	1,954
Iowa	1,161	1,353	1,348	1,615	1,724	1,879	1,905	1,840	1,664	1,360
Kansas	762	806	846	895	1,076	1,115	1,215	1,199	994	822
Kentucky	2,339	2,390	2,374	2,320	2,354	2,459	2,634	2,525	2,242	1,869
Louisiana	985	896	1,091	1,139	1,192	1,219	1,267	1,105	937	977
Maine	371	406	372	368	391	462	471	398	326	329
Maryland	1,986	2,036	2,094	1,943	2,014	2,223	2,376	2,228	1,988	1,669
Massachusetts	2,595	2,578	2,475	2,458	2,397	2,431	2,915	2,864	2,689	2,586
Michigan	3,726	3,894	3,666	3,858	4,187	4,686	4,691	4,248	4,179	3,753
Minnesota	2,169	2,162	2,159	2,058	2,236	2,208	2,190	1,914	1,549	1,457
Mississippi	1,376	1,484	1,516	1,530	1,661	1,916	2,042	1,966	1,774	1,490
Missouri	1,438	1,554	1,547	1,496	1,579	1,700	1,855	1,904	1,727	1,617
Montana	180	195	196	180	182	237	254	192	207	228
Nebraska	530	534	529	574	668	644	619	550	357	112
Nevada	288	363	371	332	340	362	362	392	346	296
New Hampshire	146	153	139	151	183	278	414	461	456	328
New Jersey	2,630	2,608	2,609	2,631	2,553	2,428	2,779	2,714	2,418	2,069
New Mexico	558	632	714	704	738	739	729	707	687	546
New York	12,243	11,943	12,562	12,600	13,019	13,006	13,713	13,463	13,324	13,021
North Carolina	2,385	2,425	2,482	2,545	2,700	2,984	3,253	3,043	2,812	2,648
North Dakota	205	210	217	252	237	236	266	224	167	126
Ohio	3,730	3,817	4,044	4,097	4,484	4,956	5,097	5,020	4,606	4,453
Oklahoma	1,114	1,150	1,225	1,211	1,273	1,446	1,415	1,291	1,188	1,237
Oregon	1,053	954	1,035	1,078	1,167	1,147	1,267	1,034	1,185	932
Pennsylvania	2,843	2,911	2,890	3,150	3,205	3,295	3,495	3,271	3,207	3,007
Rhode Island	456	429	412	398	414	422	421	552	430	453
South Carolina	1,297	1,157	1,087	1,022	1,181	1,366	1,844	1,300	1,321	1,313
South Dakota	425	424	381	354	448	442	438	442	356	348
Tennessee	2,281	2,286	2,196	2,203	2,225	2,439	2,366	2,345	2,167	2,170
Texas	4,523	4,315	4,134	4,246	4,148	5,092	5,479	5,560	5,245	4,951
Utah	565	662	673	559	708	674	647	328	395	503
Vermont	366	343	327	308	301	294	335	312	252	181
Virginia	1,752	1,732	1,661	1,744	1,928	2,111	2,017	2,048	1,976	1,813
Washington	1,987	1,945	1,854	1,841	1,992	1,863	1,822	1,980	1,715	1,657
West Virginia	1,342	1,260	1,241	1,285	1,412	1,583	1,598	1,510	1,308	1,234
Wisconsin	1,008	1,164	1,263	1,420	1,712	1,846	2,141	1,886	1,833	1,768
Wyoming	88	118	111	126	136	151	190	194	160	136
American Samoa	0	0	0	0	10	18	24	26	11	14
Guam	127	91	49	41	49	53	82	84	60	60
Puerto Rico	1,104	1,304	1,339	1,487	1,261	1,310	1,346	1,139	852	934
Virgin Islands	54	39	28	38	26	27	38	30	27	30

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 26

TOTAL ENROLLMENTS IN DIPLOMA NURSING PROGRAMS, BY NLN REGION AND STATE: 1977 TO 1986[1]

NLN REGION AND STATE	NUMBER OF TOTAL ENROLLMENTS									
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
United States	**52,858**	**48,059**	**43,651**	**41,048**	**41,009**	**42,348**	**42,007**	**37,256**	**30,179**	**22,641**
North Atlantic	19,764	17,521	15,799	14,987	14,547	14,961	15,371	14,273	12,291	10,067
Midwest	21,920	20,180	18,290	17,191	17,586	18,036	17,587	15,117	11,908	7,958
South	9,436	8,770	8,122	7,489	7,495	8,138	7,999	7,089	5,425	4,214
West	1,738	1,588	1,440	1,381	1,381	1,213	1,050	777	555	402
Alabama	469	416	418	405	428	418	425	383	222	124
Alaska	0	0	0	0	0	0	0	0	0	–
Arizona	0	0	0	0	0	0	0	0	0	–
Arkansas	176	281	231	242	301	363	437	359	335	330
California	771	831	828	874	907	718	604	509	475	390
Colorado	286	251	224	207	189	181	242	160	80	12
Connecticut	933	934	905	913	854	838	869	834	639	528
Delaware	150	147	166	147	160	159	203	117	50	47
District of Columbia	152	153	132	87	38	0	0	0	0	–
Florida	503	514	487	286	286	296	312	309	218	151
Georgia	1,135	878	686	553	462	425	425	427	373	282
Hawaii	0	0	0	0	0	0	0	0	0	–
Idaho	0	0	0	0	0	0	0	0	0	–
Illinois	4,265	3,974	3,511	3,146	3,152	3,171	2,981	2,546	1,868	1,177
Indiana	1,253	1,112	1,003	1,015	1,011	1,018	1,027	1,082	963	720
Iowa	1,544	1,501	1,342	1,227	1,293	1,398	1,379	1,182	837	549
Kansas	750	602	442	304	401	401	426	259	155	90
Kentucky	302	239	261	218	206	169	0	0	0	–
Louisiana	817	743	705	706	715	763	738	795	756	711
Maine	381	367	357	353	328	310	263	209	125	58
Maryland	602	570	537	501	575	617	648	564	416	262
Massachusetts	3,280	2,843	2,484	2,301	2,176	2,125	2,111	1,895	1,502	1,139
Michigan	1,924	1,570	1,281	1,212	1,165	1,101	911	777	630	504
Minnesota	813	748	724	707	692	678	640	433	205	64
Mississippi	203	138	114	105	104	86	98	60	33	–
Missouri	2,616	2,474	2,317	2,153	2,216	2,213	2,300	2,015	1,573	1,235
Montana	51	0	0	0	0	0	0	0	0	–
Nebraska	1,171	1,149	1,039	995	1,081	1,113	1,073	925	898	408
Nevada	0	0	0	0	0	0	0	0	0	–
New Hampshire	527	417	366	307	233	201	169	131	105	59
New Jersey	2,564	2,406	2,202	2,132	2,168	2,275	2,381	2,330	2,377	2,081
New Mexico	0	0	0	0	0	0	0	0	0	–
New York	4,502	3,593	2,960	2,753	2,676	2,740	2,729	2,364	1,968	1,533
North Carolina	760	738	719	663	631	697	716	643	276	329
North Dakota	393	340	352	315	338	340	379	340	277	133
Ohio	5,298	4,886	4,654	4,701	4,951	5,312	5,200	4,466	3,708	2,708
Oklahoma	179	131	133	93	70	42	0	0	0	–
Oregon	337	341	324	300	285	314	204	108	0	–
Pennsylvania	7,048	6,437	6,042	5,821	5,712	6,075	6,390	6,163	5,333	4,481
Rhode Island	227	224	185	173	202	238	256	230	192	141
South Carolina	78	81	69	76	89	86	70	30	32	28
South Dakota	328	305	282	277	266	279	281	253	161	95
Tennessee	1,349	1,317	1,251	1,292	1,435	1,772	1,855	1,750	1,378	901
Texas	981	944	846	735	645	722	590	296	237	207
Utah	0	0	0	0	0	0	0	0	0	–
Vermont	0	0	0	0	0	0	0	0	0	–
Virginia	1,553	1,460	1,324	1,256	1,190	1,317	1,308	1,133	866	682
Washington	293	165	64	0	0	0	0	0	0	–
West Virginia	329	320	341	358	358	365	377	340	285	207
Wisconsin	1,565	1,519	1,343	1,139	1,020	1,012	990	839	635	279
Wyoming	0	0	0	0	0	0	0	0	0	–
American Samoa	0	0	0	0	0	0	0	0	0	–
Guam	0	0	0	0	0	0	0	0	0	–
Puerto Rico	0	0	0	0	0	0	0	0	0	–
Virgin Islands	0	0	0	0	0	0	0	0	0	–

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 27

ENROLLMENTS IN ACCREDITED AND NON-ACCREDITED PROGRAMS, BY NLN REGION AND STATE AND TYPE OF PROGRAM: 1986[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS	NUMBER OF ENROLLMENTS											
		ALL BASIC RN PROGRAMS			BACCALAUREATE PROGRAMS			ASSOCIATE DEGREE PROGRAMS			DIPLOMA PROGRAMS		
		Total	Accredited	Not Accredited	Total	Accredited	Not Accredited	Total	Accredited	Not Accredited	Total	Accredited	Not Accredited
United States	**1,469**	**193,712**	**165,474**	**28,258**	**81,602**	**76,782**	**4,820**	**89,469**	**66,191**	**23,278**	**22,661**	**22,521**	**140**
North Atlantic	359	56,345	52,745	3,600	23,065	22,534	531	23,213	20,245	2,968	10,087	9,986	101
Midwest	429	54,591	46,507	8,084	24,620	22,969	1,651	22,013	15,580	6,433	7,958	7,958	0
South	478	58,316	49,128	9,188	23,998	22,153	1,845	30,104	22,800	7,304	4,214	4,175	39
West	203	24,460	17,094	7,366	9,919	9,126	793	14,139	7,566	6,573	402	402	0
Alabama	36	4,300	4,281	19	2,276	2,276	0	1,900	1,881	19	124	124	0
Alaska	2	455	455	0	329	329	0	63	63	0	0	0	0
Arizona	15	1,816	1,788	28	765	765	0	1,051	1,023	28	0	0	0
Arkansas	20	1,936	1,754	182	594	594	0	1,012	830	182	330	330	0
California	90	11,992	6,921	5,071	4,258	3,870	388	7,344	2,661	4,683	390	390	0
Colorado	13	1,446	1,008	438	725	672	53	709	324	385	12	12	0
Connecticut	18	2,551	2,551	0	1,281	1,281	0	742	742	0	528	528	0
Delaware	6	957	785	172	625	539	86	285	199	86	47	47	0
District of Columbia	6	1,055	1,055	0	843	843	0	212	212	0	0	0	0
Florida	40	5,545	3,819	1,726	1,540	1,260	280	3,854	2,408	1,446	151	151	0
Georgia	34	3,278	3,171	107	1,025	918	107	1,971	1,971	0	282	282	0
Hawaii	6	464	346	118	228	147	81	236	199	37	0	0	0
Idaho	6	470	470	0	32	32	0	438	438	0	0	0	0
Illinois	77	9,246	7,643	1,603	3,826	3,586	240	4,243	2,880	1,363	1,177	1,177	0
Indiana	36	6,260	5,959	301	3,586	3,342	244	1,954	1,897	57	720	720	0
Iowa	39	2,966	1,754	1,212	1,057	1,057	0	1,360	148	1,212	549	549	0
Kansas	30	1,775	1,729	46	863	846	17	822	793	29	90	90	0
Kentucky	28	3,521	2,738	783	1,652	1,500	152	1,869	1,238	631	0	0	0
Louisiana	22	5,081	4,150	931	3,397	2,576	821	973	863	110	711	711	0
Maine	14	910	779	131	523	523	0	329	198	131	58	58	0
Maryland	24	3,097	2,607	490	1,146	1,146	0	1,669	1,179	490	282	282	0
Massachusetts	46	7,119	6,824	295	3,394	3,394	0	2,586	2,291	295	1,139	1,139	0
Michigan	50	7,540	5,177	2,363	3,283	3,283	0	3,753	1,390	2,363	504	504	0
Minnesota	25	2,659	2,337	322	1,138	1,097	41	1,457	1,176	281	64	64	0
Mississippi	21	2,669	2,292	377	1,179	1,179	0	1,490	1,113	377	0	0	0
Missouri	41	4,218	3,321	897	1,366	1,005	361	1,617	1,081	536	1,235	1,235	0
Montana	6	887	659	228	659	659	0	228	0	228	0	0	0
Nebraska	13	1,266	1,057	209	746	537	209	112	112	0	408	408	0
Nevada	5	477	403	74	181	181	0	296	222	74	0	0	0
New Hampshire	10	819	631	188	432	432	0	328	140	188	59	59	0
New Jersey	38	5,942	5,942	0	1,792	1,792	0	2,069	2,069	0	2,081	2,081	0
New Mexico	13	757	439	318	211	211	0	546	228	318	0	0	0
New York	110	21,380	19,847	1,533	6,826	6,734	92	13,021	11,681	1,340	1,533	1,432	101
North Carolina	58	4,600	2,243	2,357	1,623	1,592	31	2,648	333	2,315	329	318	11
North Dakota	9	865	865	0	606	606	0	126	126	0	133	133	0
Ohio	69	11,158	10,803	355	3,997	3,997	0	4,453	4,098	355	2,708	2,708	0
Oklahoma	27	1,977	1,866	111	740	718	22	1,237	1,148	89	0	0	0
Oregon	17	1,676	1,132	544	744	473	271	932	659	273	0	0	0
Pennsylvania	98	13,832	12,579	1,253	6,344	5,991	353	3,007	2,107	900	4,481	4,481	0
Rhode Island	7	1,348	1,348	0	754	754	0	453	453	0	141	141	0
South Carolina	19	2,536	2,019	517	1,195	1,004	191	1,313	1,015	298	28	0	28
South Dakota	8	1,067	1,024	43	624	624	0	348	305	43	95	95	0
Tennessee	36	4,856	4,819	37	1,785	1,748	37	2,170	2,170	0	901	901	0
Texas	64	8,950	8,094	856	3,792	3,792	0	4,951	4,095	856	207	207	0
Utah	4	910	910	0	407	407	0	503	503	0	0	0	0
Vermont	5	432	404	28	251	251	0	181	153	28	0	0	0
Virginia	35	3,983	3,657	326	1,488	1,429	59	1,813	1,546	267	682	682	0
Washington	23	2,836	2,323	513	1,179	1,179	0	1,657	1,144	513	0	0	0
West Virginia	18	1,987	1,618	369	546	401	145	1,234	1,010	224	207	207	0
Wisconsin	32	5,573	4,840	733	3,526	2,987	539	1,768	1,574	194	279	279	0
Wyoming	5	337	303	34	201	201	0	136	102	34	0	0	0
American Samoa	1	14	0	14	0	0	0	14	0	14	0	0	0
Guam	1	80	0	80	0	0	0	80	0	80	0	0	0
Puerto Rico	20	3,642	2,071	1,571	2,708	1,500	1,208	934	571	363	0	0	0
Virgin Islands	2	58	30	28	28	0	28	30	30	0	0	0	0

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Enrollments of RNs in Baccalaureate Nursing Programs (Tables 28-30)

- The total number of RNs enrolled in baccalaureate programs increased almost 8 percent since 1985. The number of RNs enrolled in basic programs increased almost 11 percent, and the number of RNs in specially designed baccalaureate (BRN) programs grew almost 5 percent, bringing the total number of RNs in baccalaureate programs to 46,355 (see Table 28).

- The combined number of generic and RN students enrolled in baccalaureate programs in 1986 was 127,957 a 4.5 percent decrease since 1985. The 10.3 percent drop in basic BSN students accounts for this decline. Basic students make up almost 64 percent of all baccalaureate students, and RNs comprise the remaining 36 percent (see Table 28).

- Basic baccalaureate students are more likely to be studying full time than the returning RN. Almost 88 percent of basic BSN students attend full time, whereas only 32.7 percent of RNs in generic programs and about 26 percent of those enrolled in BRN programs are full-time students (see Table 29).

- A regional breakdown indicates that the largest group of returning RNs, over 38 percent of the total, is in the North Atlantic region. The Midwest follows, with 28 percent of the total; the South, 18 percent; and the West, 15 percent (see Table 30).

- The number of RNs enrolled in baccalaureate programs increased over the past year in all regions except the West. The West reported a decrease of 5 percent. The Midwest reported the largest increase of 16.6 percent. The South reported an 8.5 percent increase in the number of RNs enrolled in baccalaureate programs, and the North Atlantic, 7 percent.

- **TEN-YEAR TREND:** Whereas basic baccalaureate enrollments decreased 19 percent since 1977, the number of returning RNs more than doubled, in the last decade. (see Table 28).

- **FIVE-YEAR TREND:** Enrollments in special BRN programs jumped 43 percent since 1982. The number of RNs in basic baccalaureate programs grew nearly 21 percent, but basic BSN enrollments fell 13.5 percent (see Tables 28-30).

Table 28
GENERIC AND RN STUDENT ENROLLMENTS IN BACCALAUREATE NURSING PROGRAMS: 1977 TO 1986[1]

YEAR	ENROLLMENTS IN BACCALAUREATE NURSING PROGRAMS			
	Total Enrollments	Generic Programs		BRN* Programs
		Generic Students	RN Students	RN Students
1977	124,578	101,430	14,032	9,116
1978	125,337	99,900	16,550	8,887
1979	126,612	98,939	16,987	10,686
1980	129,111	95,858	20,722	12,531
1981	126,881	93,967	19,650	13,264
1982	129,125	94,363	20,933	14,729
1983	137,792	98,941	21,192	17,659
1984	136,120	95,008	22,520	18,592
1985	133,960	91,020	22,812	20,128
1986	127,957	81,602	25,247	21,108

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands

* BRN programs are baccalaureate programs that admit only RNs

Table 29
FULL-TIME AND PART-TIME ENROLLMENTS OF BASIC AND RN STUDENTS IN BACCALAUREATE NURSING PROGRAMS: 1982 TO 1986[1]

YEAR AND TYPE OF STUDENT	ENROLLMENTS IN BACCALAUREATE NURSING PROGRAMS		
	Total	Full Time	Part Time
1982 (Total)	**130,025**	**97,079**	**32,946**
Basic Students	94,363	86,160	8,203
RNs in Basic Programs	20,933	7,199	13,734
RNs in BRN* Programs	14,729	3,720	11,009
1983 (Total)	**139,010**	**100,771**	**38,239**
Basic Students	98,941	88,879	10,062
RNs in Basic Programs	22,225	7,229	14,996
RNs in BRN* Programs	17,844	4,663	13,181
1984 (Total)	**136,120**	**97,255**	**38,865**
Basic Students	95,008	85,253	9,755
RNs in Basic Programs	22,520	7,004	15,516
RNs in BRN* Programs	18,592	4,818	13,774
1985 (Total)	**133,960**	**93,479**	**40,481**
Basic Students	91,020	82,618	8,402
RNs in Basic Programs	22,812	7,196	15,616
RNs in BRN* Programs	20,128	3,665	16,463
1986 (Total)	**127,957**	**85,170**	**42,787**
Basic Students	81,602	71,416	10,186
RNs in Basic Programs	25,247	8,251	16,996
RNs in BRN* Programs	21,108	5,503	15,605

[1] National and regional totals do not include American Samoa, Guam, Puerto Rico, and the Virgin Islands

*BRN programs are baccalaureate programs that admit only RNs

Table 30

TOTAL ENROLLMENTS IN BACCALAUREATE NURSING PROGRAMS, BY NLN REGION AND STATE: 1982 TO 1986[1]

NLN REGION AND STATE	ENROLLMENTS IN BACCALAUREATE NURSING PROGRAMS [2]									
	1982		1983		1984		1985		1986	
	Total	RNs Only	Total	RNs Only	Total	RNs Only	Total	RNs Only	Total	RNs Only
United States	**129,140**	**34,777**	**137,792**	**38,851**	**136,120**	**41,112**	**133,960**	**42,940**	**127,967**	**46,355**
North Atlantic	44,641	14,625	47,030	16,242	45,485	16,419	43,447	16,533	40,783	17,718
Midwest	35,999	9,180	37,820	9,712	37,895	10,390	38,430	11,417	37,938	13,318
South	34,220	7,430	35,730	7,539	34,595	8,095	33,706	7,857	32,526	8,528
West	14,280	3,542	17,212	5,358	18,145	6,208	18,377	7,133	16,710	6,791
Alabama	3,680	664	4,186	545	3,351	495	3,321	558	2,714	438
Alaska	319	65	347	59	385	75	401	84	409	80
Arizona	1,054	131	1,613	463	1,937	725	1,440	618	1,336	571
Arkansas	884	66	932	57	636	69	708	82	673	79
California	6,210	1,770	7,816	3,027	8,582	3,467	9,768	4,629	8,138	3,880
Colorado	1,456	521	1,495	574	1,336	722	1,317	536	1,787	1,062
Connecticut	2,156	639	2,310	703	2,040	514	2,038	557	1,850	569
Delaware	932	115	981	95	911	98	816	78	779	154
District of Columbia	1,209	131	1,715	145	1,279	128	1,190	145	1,021	178
Florida	2,391	863	3,124	1,364	2,871	1,252	2,905	1,148	2,564	1,024
Georgia	1,441	233	1,466	222	1,498	222	1,435	238	1,365	340
Hawaii	207	79	363	119	371	151	246	188	265	37
Idaho	192	99	181	93	150	66	128	91	151	119
Illinois	5,912	1,743	6,419	1,901	6,536	2,022	6,317	2,221	5,839	2,013
Indiana	3,948	878	4,445	1,084	3,904	831	4,556	1,456	5,070	1,484
Iowa	1,745	457	1,652	351	1,770	450	1,717	482	1,545	488
Kansas	1,580	411	1,530	337	1,608	344	1,442	336	1,405	542
Kentucky	1,978	1,211	2,173	875	2,136	860	2,481	999	2,416	764
Louisiana	2,696	277	2,309	345	3,050	294	3,346	260	3,705	308
Maine	449	62	510	94	628	98	705	139	660	137
Maryland	1,816	587	1,790	461	1,793	578	1,638	451	1,627	461
Massachusetts	6,011	1,517	6,586	2,017	6,692	2,174	6,318	2,319	5,874	2,480
Michigan	4,321	1,008	4,433	994	5,090	1,514	5,144	1,481	5,523	2,240
Minnesota	2,003	375	2,167	532	2,219	704	1,933	658	1,635	497
Mississippi	1,244	176	1,336	172	1,480	165	1,182	177	1,413	234
Missouri	2,990	1,209	2,857	1,180	2,632	1,194	2,563	1,064	3,146	1,780
Montana	847	50	919	18	879	11	752	12	670	11
Nebraska	1,056	510	1,192	603	980	523	1,776	616	1,565	817
Nevada	351	102	438	89	360	95	308	72	282	101
New Hampshire	932	313	871	274	877	258	739	224	637	205
New Jersey	3,893	1,541	3,502	1,249	3,718	1,721	3,660	1,663	3,428	1,636
New Mexico	361	46	530	170	467	122	408	124	312	101
New York	17,096	7,276	17,045	7,490	15,397	6,674	15,220	6,907	14,508	7,682
North Carolina	2,520	308	2,619	353	2,648	547	2,595	764	2,285	662
North Dakota	822	75	829	65	678	77	807	114	762	156
Ohio	5,265	1,333	5,720	1,373	5,958	1,578	6,001	1,593	5,832	1,835
Oklahoma	1,206	213	1,261	205	1,219	133	1,043	166	984	244
Oregon	798	252	959	232	1,118	228	1,095	205	894	150
Pennsylvania	9,500	2,414	11,124	3,324	11,821	4,454	11,379	4,160	10,759	4,415
Rhode Island	1,999	478	1,981	775	1,675	175	972	222	919	165
South Carolina	1,342	202	1,627	308	1,721	301	1,790	379	2,115	920
South Dakota	958	111	937	86	897	103	871	183	760	136
Tennessee	2,637	480	2,922	518	2,757	583	2,512	532	2,398	613
Texas	6,378	1,026	5,957	1,019	5,726	1,416	5,282	1,020	4,886	1,094
Utah	391	113	452	160	545	150	584	134	614	207
Vermont	464	139	405	76	447	125	410	119	348	97
Virginia	2,940	697	2,809	609	2,575	753	2,417	681	2,303	815
Washington	1,879	297	1,883	348	1,803	376	1,719	407	1,610	431
West Virginia	1,067	427	1,219	486	1,134	427	1,051	402	1,078	532
Wisconsin	5,399	1,070	5,639	1,206	5,623	1,050	5,303	1,213	4,856	1,330
Wyoming	215	17	216	6	212	20	211	33	242	41
American Samoa	0	0	0	0	0	0	0	0	—	—
Guam	0	0	0	0	0	0	5	5	—	—
Puerto Rico	2,945	880	3,692	1,018	3,108	684	3,092	800	3,332	624
Virgin Islands	6	5	21	15	27	12	38	10	31	5

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Totals include RNs in basic programs, RNs in BRN programs, and basic BSN students.

GRADUATIONS

Graduations from Basic RN Programs (Tables 31-37)

- Graduations from all basic RN programs plummeted to 77,027 in 1985-86—a 6.2 percent drop over the previous year. BSN graduations increased a modest 0.8 percent while associate degree graduations declined almost 7 percent. Diploma program graduations fell 11.5 percent in the past year.

- Both public and private institutions reported decreases in their 1985-86 graduations. Private institutions suffered a loss of 13 percent of their graduations whereas the public institutions lost 3 percent of theirs (see Table 32).

- All regions reported decreases in overall basic RN graduations. The largest decrease reported in the South (7.7%) and the smallest in the West (3.8%). (see Table 33).

- Graduations from the Midwest and South each represent 30 percent of all graduations from basic RN programs. Graduations from the North Atlantic region comprised about 26 percent of the total, and the West graduated 14 percent (see Table 34).

- Eighty-four percent (64,567) of graduations from all basic RN programs were from programs accredited by NLN. Of graduates from baccalaureate programs, 97.5 percent came from accredited programs, and 99 percent of diploma graduations came from accredited programs. However, only 71.6 percent of associate degree graduates were from NLN-accredited programs (see Table 37).

- Of the 77,027 graduations, 54 percent came from associate degree programs. Baccalaureate graduations comprised 33 percent of the total and diploma programs, 13 percent (see Table 31).

- **TEN-YEAR TREND:** The total number of graduations from basic RN programs fell less than 1 percent since 1976-77. The number of associate degree graduations rose 14 percent and the number of baccalaureate graduations rose 7 percent during that time. The number of diploma graduates fell almost 42 percent in the past decade.

- **FIVE-YEAR TREND:** Graduations from basic RN programs increased 4 percent since 1981-82. Associate degree programs reported a 12.6 percent increase during that time. Baccalaureate graduations dropped 4.5 percent and diploma graduations have dropped 18 percent.

Table 31
GRADUATIONS FROM BASIC RN PROGRAMS AND PERCENTAGE CHANGE FROM PREVIOUS YEAR, BY TYPE OF PROGRAM: 1966-67 TO 1985-86[1]

ACADEMIC YEAR	ALL BASIC RN PROGRAMS		BACCALAUREATE PROGRAMS		ASSOCIATE DEGREE PROGRAMS		DIPLOMA PROGRAMS	
	Number of Graduations	Percent Change	Number of Graduations	Percent Change	Number of Graduations	Percent Change	Number of Graduations	Percent Change
1966-67	37,931	+8.7	6,122	+11.5	4,639	+38.5	27,170	+4.2
1967-68	41,245	+8.7	7,132	+16.5	6,163	+32.8	27,950	+2.9
1968-69	41,801	+1.3	8,355	+17.1	8,578	+39.2	24,868	−11.0
1969-70	43,103	+3.1	9,069	+8.5	11,483	+33.9	22,551	−9.3
1970-71	46,455	+7.8	9,856	+8.7	14,534	+26.6	22,065	−2.2
1971-72	51,304	+10.4	10,968	+11.3	18,926	+30.2	21,410	−3.0
1972-73	58,881	+14.8	13,055	+19.0	24,497	+29.4	21,329	−0.4
1973-74	67,061	+13.9	16,957	+29.9	28,919	+18.0	21,185	−0.7
1974-75	73,915	+10.2	20,170	+18.9	32,183	+11.3	21,562	+1.8
1975-76	77,065	+4.3	22,579	+11.9	34,625	+7.6	19,861	−7.9
1976-77	77,755	+0.9	23,452	+3.9	36,289	+4.8	18,014	−9.3
1977-78	77,874	+0.1	24,187	+3.1	36,556	+0.7	17,131	−4.9
1978-79	77,132	−1.0	25,048	+3.6	36,264	−0.8	15,820	−7.7
1979-80	75,523	−2.1	24,994	−0.2	36,034	−0.6	14,495	−8.4
1980-81	73,985	−2.0	24,370	−2.5	36,712	+1.9	12,903	−11.0
1981-82	74,052	+0.1	24,081	−1.2	38,289	+4.3	11,682	−9.5
1982-83	77,408	+4.5	23,855	−0.9	41,849	+9.3	11,704	+0.2
1983-84	80,312	+3.8	23,718	−0.6	44,394	+6.1	12,200	+4.2
1984-85	82,075	+2.2	24,975	+5.3	45,208	+1.8	11,892	−2.5
1985-86	77,027	−6.2	25,170	+0.8	41,333	−8.6	10,524	−11.5

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[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 32
GRADUATIONS FROM PUBLIC AND PRIVATE BASIC RN PROGRAMS, BY TYPE OF PROGRAM: 1976-77 TO 1985-86[1]

PUBLIC AND PRIVATE NURSING PROGRAMS	NUMBER OF GRADUATIONS									
	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86
All Programs	**77,755**	**77,874**	**77,132**	**75,523**	**73,985**	**74,052**	**77,408**	**80,312**	**82,075**	**77,027**
Public	49,857	49,705	49,444	48,773	48,567	50,118	53,254	55,270	56,216	54,456
Private	27,898	28,169	27,688	26,750	25,418	23,934	24,154	25,042	25,859	22,571
Baccalaureate	23,452	24,187	25,048	24,994	24,370	24,081	23,855	23,718	24,975	25,170
Public	14,673	14,878	15,297	15,100	14,478	14,532	14,470	14,112	15,176	15,977
Private	8,779	9,309	9,751	9,894	9,892	9,549	9,385	9,606	9,799	9,193
Associate Degree	36,289	36,556	36,264	36,034	36,712	38,289	41,849	44,394	45,208	41,333
Public	32,416	32,573	32,293	31,904	32,560	33,988	37,097	39,314	39,521	36,806
Private	3,873	3,983	3,971	4,130	4,152	4,301	4,752	5,080	5,687	4,527
Diploma	18,014	17,131	15,820	14,495	12,903	11,682	11,704	12,200	11,892	10,524
Public	2,768	2,254	1,854	1,769	1,529	1,598	1,687	1,844	1,519	1,673
Private	15,246	14,877	13,966	12,726	11,374	10,084	10,017	10,356	10,373	8,851

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[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 33

GRADUATIONS FROM ALL BASIC RN PROGRAMS, BY NLN REGION AND STATE: 1976-77 TO 1985-86[1]

NLN REGION AND STATE	NUMBER OF GRADUATIONS									
	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86
United States	**77,755**	**77,874**	**77,132**	**75,523**	**73,985**	**74,052**	**77,408**	**80,312**	**82,075**	**77,827**
North Atlantic	22,897	21,958	21,400	20,312	20,318	19,415	19,497	19,897	20,484	19,622
Midwest	22,828	23,157	23,213	23,065	22,523	22,508	23,969	25,041	25,208	23,378
South	21,685	22,298	22,014	21,489	20,740	20,914	22,391	24,308	25,181	23,250
West	10,345	10,461	10,505	10,657	10,404	11,215	11,551	11,066	11,202	10,777
Alabama	1,493	1,515	1,589	1,628	1,590	1,646	[illegible]	2,037	2,094	1,857
Alaska	38	38	43	57	37	71	78	56	78	61
Arizona	890	730	784	779	776	822	869	821	878	797
Arkansas	651	603	676	691	611	654	769	809	778	771
California	5,106	5,185	5,231	5,177	5,427	5,961	5,958	5,718	5,679	5,566
Colorado	647	664	662	772	608	674	607	674	667	585
Connecticut	1,083	952	1,072	1,000	976	943	914	846	1,003	917
Delaware	380	322	362	384	332	371	395	377	334	311
District of Columbia	383	428	389	342	391	344	284	312	352	332
Florida	2,214	2,352	2,456	2,387	2,649	2,698	2,917	3,342	3,272	2,995
Georgia	1,705	1,546	1,472	1,312	1,192	1,240	1,310	1,361	1,731	1,547
Hawaii	150	149	148	158	163	165	180	154	129	172
Idaho	277	261	267	286	237	260	295	298	257	249
Illinois	4,381	4,379	4,507	4,281	4,197	4,084	4,479	4,513	4,299	4,012
Indiana	2,010	2,160	2,053	2,006	1,922	1,947	2,140	1,979	2,131	2,230
Iowa	1,361	1,452	1,597	1,570	1,620	1,609	1,702	1,649	1,776	1,566
Kansas	915	1,030	944	968	949	984	1,029	1,071	1,229	1,051
Kentucky	1,286	1,308	1,312	1,282	1,178	1,157	1,290	1,304	1,325	1,287
Louisiana	944	1,161	1,027	965	928	955	957	956	939	1,000
Maine	331	390	414	395	383	381	446	422	372	379
Maryland	1,450	1,475	1,430	1,316	1,294	1,335	1,441	1,576	1,490	1,357
Massachusetts	3,227	3,092	2,871	2,669	2,675	2,469	2,612	2,584	2,736	2,420
Michigan	2,968	3,111	3,146	2,963	2,937	3,118	3,229	3,577	3,552	3,136
Minnesota	1,820	1,804	1,749	1,805	1,736	1,709	1,722	1,741	1,730	1,500
Mississippi	810	810	848	888	871	859	949	1,027	1,033	1,013
Missouri	1,965	1,829	1,805	1,811	1,727	1,682	1,808	1,933	1,947	1,859
Montana	296	317	251	209	205	197	212	254	244	258
Nebraska	691	728	757	713	699	788	782	825	819	503
Nevada	138	127	132	159	140	167	186	187	186	171
New Hampshire	377	365	333	316	278	280	292	333	383	334
New Jersey	2,414	2,370	2,304	2,244	2,260	2,034	2,014	2,044	2,010	2,072
New Mexico	285	357	341	438	315	355	384	382	363	407
New York	8,942	8,416	8,112	7,642	7,541	7,300	7,111	7,294	7,114	6,812
North Carolina	1,801	1,903	1,870	1,921	1,938	1,932	1,946	2,048	2,598	1,967
North Dakota	459	437	426	445	435	438	398	490	416	419
Ohio	4,093	4,073	4,126	4,168	4,061	3,936	4,317	4,659	4,748	4,782
Oklahoma	747	780	806	847	841	819	930	902	840	782
Oregon	747	771	815	789	719	768	866	711	757	740
Pennsylvania	5,049	4,902	4,797	4,636	4,828	4,588	4,803	4,982	5,441	5,304
Rhode Island	498	492	536	486	464	533	480	504	521	532
South Carolina	872	826	730	674	586	675	705	927	901	889
South Dakota	492	446	445	468	421	402	433	450	434	421
Tennessee	1,590	1,620	1,698	1,653	1,435	1,559	1,792	1,830	1,912	1,850
Texas	3,775	3,875	3,619	3,553	3,339	3,114	3,168	3,524	3,652	3,425
Utah	422	422	419	494	489	448	567	396	542	373
Vermont	213	229	210	198	190	172	177	199	218	209
Virginia	1,592	1,673	1,658	1,627	1,556	1,501	1,612	1,776	1,745	1,677
Washington	1,274	1,393	1,323	1,261	1,207	1,242	1,272	1,306	1,291	1,263
West Virginia	755	763	751	745	732	770	796	889	871	833
Wisconsin	1,673	1,794	1,730	1,867	1,918	1,811	1,930	2,154	2,127	1,899
Wyoming	75	47	89	78	81	85	77	109	131	135
American Samoa	0	0	0	0	0	0	0	32	11	10
Guam	17	50	38	16	16	17	11	11	12	12
Puerto Rico	684	759	746	866	874	893	1,045	1,127	1,286	1,017
Virgin Islands	5	14	16	10	15	13	10	8	12	13

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 34

GRADUATIONS FROM BACCALAUREATE NURSING PROGRAMS, BY NLN REGION AND STATE: 1976-77 TO 1985-86[1]

NLN REGION AND STATE	NUMBER OF GRADUATIONS[2]									
	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86
United States	**23,452**	**24,187**	**25,048**	**24,994**	**24,370**	**24,081**	**23,855**	**23,718**	**24,975**	**25,170**
North Atlantic	6,723	6,817	7,107	7,131	7,208	7,207	6,903	6,557	6,915	6,744
Midwest	6,418	6,625	7,086	7,239	7,243	6,953	7,314	7,182	7,479	7,600
South	7,062	7,356	7,515	7,267	6,950	6,958	6,760	7,132	7,535	7,562
West	3,249	3,389	3,340	3,357	2,969	2,968	2,878	2,847	3,046	3,264
Alabama	569	561	679	629	612	617	706	825	955	781
Alaska	12	13	15	26	18	35	36	34	38	38
Arizona	394	258	255	304	268	278	255	250	310	251
Arkansas	133	148	167	169	149	155	163	235	185	207
California	1,286	1,386	1,433	1,277	1,264	1,244	1,189	1,153	1,252	1,362
Colorado	261	284	291	397	249	269	227	244	250	266
Connecticut	370	327	364	366	372	329	343	292	359	363
Delaware	178	141	149	188	149	190	184	161	180	166
District of Columbia	260	307	303	266	290	258	227	243	293	294
Florida	399	425	475	444	519	479	451	574	630	570
Georgia	317	331	348	399	337	347	392	395	467	425
Hawaii	66	62	55	72	80	64	70	52	0	65
Idaho	62	52	61	90	49	44	43	37	33	31
Illinois	978	1,015	1,131	1,069	1,207	1,055	1,182	1,122	1,171	1,185
Indiana	712	710	700	704	633	673	771	630	739	899
Iowa	363	419	522	474	446	451	417	398	432	438
Kansas	325	356	393	399	424	421	483	399	491	447
Kentucky	301	328	341	234	194	187	189	217	229	498
Louisiana	486	517	445	456	386	452	393	408	401	438
Maine	87	107	122	138	126	124	122	113	144	171
Maryland	514	492	399	427	372	418	443	436	404	393
Massachusetts	1,014	885	855	864	865	956	967	958	1,032	917
Michigan	787	823	950	925	943	917	945	960	898	902
Minnesota	605	632	602	628	613	616	588	598	582	507
Mississippi	270	256	250	297	271	286	293	324	337	356
Missouri	395	351	381	407	413	474	480	464	458	432
Montana	205	195	192	158	151	130	127	164	166	175
Nebraska	132	165	167	176	178	202	180	207	264	160
Nevada	56	52	35	54	35	41	34	41	38	43
New Hampshire	123	132	122	107	120	120	127	116	142	124
New Jersey	480	516	566	525	535	537	550	377	387	419
New Mexico	45	110	86	101	69	73	74	81	67	86
New York	2,525	2,750	2,869	2,876	2,877	2,713	2,388	2,323	2,166	1,982
North Carolina	774	790	770	748	809	752	667	611	663	626
North Dakota	201	208	206	237	210	206	191	234	163	192
Ohio	924	932	1,084	1,124	1,094	912	992	1,054	1,209	1,315
Oklahoma	274	297	345	356	343	331	306	311	306	339
Oregon	248	274	265	227	140	201	210	170	213	266
Pennsylvania	1,370	1,331	1,407	1,480	1,567	1,585	1,675	1,640	1,875	1,957
Rhode Island	241	247	275	253	246	322	252	261	262	279
South Carolina	306	284	274	222	216	269	232	283	264	363
South Dakota	174	170	186	192	171	198	183	184	174	175
Tennessee	423	437	408	417	369	431	448	480	489	537
Texas	1,677	1,706	1,816	1,758	1,642	1,507	1,380	1,252	1,440	1,293
Utah	113	117	106	122	104	82	128	154	147	168
Vermont	75	74	75	68	61	68	68	73	75	72
Virginia	483	540	581	558	572	559	539	623	594	573
Washington	446	559	505	494	501	480	461	436	496	461
West Virginia	136	156	145	153	159	168	158	158	171	163
Wisconsin	822	932	836	904	911	828	902	932	898	948
Wyoming	55	27	41	35	41	27	24	31	36	52
American Samoa	0	0	0	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0	0	0	0
Puerto Rico	180	310	301	417	434	442	543	492	685	625
Virgin Islands	0	0	0	0	0	0	0	0	0	4

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands

[2] Includes basic students only

Table 35

GRADUATIONS FROM ASSOCIATE DEGREE NURSING PROGRAMS, BY NLN REGION AND STATE: 1976-77 TO 1985-86[1]

NLN REGION AND STATE	NUMBER OF GRADUATIONS									
	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86
United States	**36,289**	**36,556**	**36,264**	**36,034**	**36,712**	**38,289**	**41,849**	**44,394**	**45,208**	**41,333**
North Atlantic	8,706	8,311	8,238	7,934	8,285	8,000	8,507	8,914	9,231	8,791
Midwest	9,172	9,444	9,529	9,667	9,843	10,549	11,580	12,612	12,679	11,512
South	11,911	12,327	11,903	11,671	11,632	11,970	13,488	15,034	15,454	13,744
West	6,500	6,474	6,594	6,762	6,952	7,770	8,274	7,834	7,844	7,286
Alabama	770	796	795	878	889	918	941	1,117	1,029	972
Alaska	26	25	28	31	19	36	42	22	40	23
Arizona	496	472	529	475	508	544	614	571	568	546
Arkansas	518	455	451	450	396	448	537	482	509	475
California	3,545	3,544	3,511	3,597	3,840	4,375	4,495	4,326	4,181	4,002
Colorado	290	287	281	302	299	343	338	367	351	294
Connecticut	391	358	441	382	358	381	333	338	377	310
Delaware	123	98	131	97	128	123	147	137	146	133
District of Columbia	84	79	40	31	65	51	57	69	59	38
Florida	1,700	1,806	1,835	1,795	1,998	2,082	2,346	2,648	2,505	2,315
Georgia	1,045	904	815	684	675	746	788	890	1,159	981
Hawaii	84	87	93	86	83	101	110	102	129	107
Idaho	215	209	206	196	188	216	252	261	224	218
Illinois	1,887	1,977	2,036	2,009	1,931	2,079	2,338	2,475	2,260	2,096
Indiana	953	1,067	993	993	1,006	1,017	1,143	1,116	1,098	1,078
Iowa	532	555	608	627	779	779	892	858	921	778
Kansas	270	320	312	333	362	426	438	568	603	511
Kentucky	902	881	892	905	894	882	994	1,087	1,096	789
Louisiana	261	430	368	292	367	306	378	344	344	344
Maine	148	156	185	156	150	136	242	219	189	161
Maryland	735	793	854	721	785	763	841	948	897	825
Massachusetts	1,010	1,026	1,052	1,008	1,049	881	1,037	1,042	1,055	995
Michigan	1,506	1,530	1,521	1,432	1,546	1,772	1,861	2,287	2,346	1,980
Minnesota	861	902	909	936	913	900	919	959	965	901
Mississippi	492	497	536	554	591	545	630	678	670	657
Missouri	691	647	664	657	633	597	705	757	866	804
Montana	50	71	59	51	54	67	85	90	78	83
Nebraska	208	226	227	218	238	284	294	265	247	65
Nevada	82	75	97	105	105	126	152	146	148	128
New Hampshire	79	79	75	75	81	80	94	177	203	187
New Jersey	1,075	1,058	986	1,038	1,140	987	909	1,084	1,026	975
New Mexico	240	247	255	337	246	282	310	301	296	321
New York	4,463	4,067	3,905	3,737	3,765	3,848	4,014	4,112	4,278	4,201
North Carolina	779	878	880	957	914	1,009	1,090	1,245	1,719	1,159
North Dakota	108	75	83	87	93	100	94	106	114	87
Ohio	1,555	1,539	1,570	1,670	1,629	1,789	1,958	2,116	2,114	2,199
Oklahoma	424	432	433	468	464	465	583	591	534	443
Oregon	403	395	449	464	479	494	573	458	544	474
Pennsylvania	1,010	1,056	1,098	1,101	1,248	1,242	1,405	1,432	1,567	1,466
Rhode Island	185	179	190	179	172	167	191	178	188	188
South Carolina	544	520	437	428	353	394	459	615	608	514
South Dakota	205	189	178	185	170	148	191	200	201	202
Tennessee	822	867	906	870	769	838	959	896	906	854
Texas	1,781	1,892	1,525	1,516	1,441	1,422	1,564	2,071	2,088	2,023
Utah	309	305	313	372	385	366	439	242	395	205
Vermont	138	155	135	130	129	104	109	126	143	137
Virginia	619	674	654	661	627	647	796	811	796	825
Washington	740	737	725	703	706	762	811	870	795	802
West Virginia	579	502	522	492	469	505	551	611	594	568
Wisconsin	396	417	428	520	543	658	747	905	944	811
Wyoming	20	20	48	43	40	58	53	78	95	83
American Samoa	0	0	0	0	0	0	0	32	11	10
Guam	17	50	38	16	16	17	11	11	12	12
Puerto Rico	504	449	445	449	440	451	502	635	601	392
Virgin Islands	5	14	16	10	15	13	10	8	12	9

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands

Table 36

GRADUATIONS FROM DIPLOMA NURSING PROGRAMS, BY NLN REGION AND STATE: 1976-77 TO 1985-86[1]

NLN REGION AND STATE	NUMBER OF GRADUATIONS									
	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86
United States	**18,014**	**17,131**	**15,820**	**14,495**	**12,903**	**11,682**	**11,704**	**12,200**	**11,892**	**10,524**
North Atlantic	7,468	6,830	6,055	5,247	4,825	4,213	4,087	4,426	4,338	4,087
Midwest	7,238	7,088	6,598	6,159	5,437	5,006	5,075	5,247	5,050	4,266
South	2,712	2,615	2,596	2,551	2,158	1,986	2,143	2,142	2,192	1,944
West	596	598	571	538	483	477	399	385	312	277
Alabama	154	158	115	121	89	111	131	95	110	104
Alaska	0	0	0	0	0	0	0	0	0	–
Arizona	0	0	0	0	0	0	0	0	0	–
Arkansas	0	0	58	72	66	51	69	92	84	89
California	275	255	287	303	323	342	274	239	246	202
Colorado	96	93	90	73	60	62	42	63	66	25
Connecticut	322	267	267	252	246	233	238	216	267	244
Delaware	79	83	82	99	55	58	64	79	8	12
District of Columbia	39	42	46	45	36	35	0	0	0	–
Florida	115	121	146	148	132	137	120	120	137	110
Georgia	343	311	309	229	180	147	130	76	105	141
Hawaii	0	0	0	0	0	0	0	0	0	–
Idaho	0	0	0	0	0	0	0	0	0	–
Illinois	1,516	1,387	1,340	1,203	1,059	950	959	916	868	731
Indiana	345	383	360	309	283	257	226	233	294	253
Iowa	466	478	467	469	395	379	393	393	423	350
Kansas	320	354	239	236	163	137	108	104	135	93
Kentucky	83	99	79	143	90	88	107	0	0	–
Louisiana	197	214	214	217	175	197	186	204	194	218
Maine	96	127	107	101	107	121	82	90	39	47
Maryland	201	190	177	168	137	154	157	192	189	139
Massachusetts	1,203	1,181	964	797	761	632	608	584	649	508
Michigan	675	758	675	606	448	429	423	330	308	254
Minnesota	354	270	238	241	210	193	215	184	183	92
Mississippi	48	57	62	37	9	28	26	25	26	–
Missouri	879	831	760	747	681	611	623	712	623	623
Montana	41	51	0	0	0	0	0	0	0	–
Nebraska	351	337	363	319	283	302	308	353	308	278
Nevada	0	0	0	0	0	0	0	0	0	–
New Hampshire	175	154	136	134	77	80	71	40	38	23
New Jersey	859	796	752	681	585	510	555	583	597	678
New Mexico	0	0	0	0	0	0	0	0	0	–
New York	1,954	1,599	1,338	1,029	899	739	709	859	670	629
North Carolina	248	235	220	216	215	171	189	192	216	182
North Dakota	150	154	137	121	132	132	113	150	139	140
Ohio	1,614	1,602	1,472	1,374	1,338	1,235	1,367	1,499	1,425	1,268
Oklahoma	49	51	28	23	34	23	41	0	0	–
Oregon	96	102	101	98	100	73	83	83	0	–
Pennsylvania	2,669	2,515	2,292	2,055	2,013	1,761	1,723	1,910	1,999	1,881
Rhode Island	72	66	71	54	46	44	37	65	71	65
South Carolina	22	22	19	24	17	12	14	29	29	12
South Dakota	113	89	81	91	80	56	59	66	59	44
Tennessee	345	316	384	366	297	290	385	454	517	459
Texas	317	277	278	279	256	185	224	201	124	109
Utah	0	0	0	0	0	0	0	0	0	–
Vermont	0	0	0	0	0	0	0	0	0	–
Virginia	490	459	423	408	357	295	277	342	355	279
Washington	88	97	93	54	0	0	0	0	0	–
West Virginia	100	105	84	100	104	97	87	120	106	102
Wisconsin	455	445	466	443	365	325	281	317	285	140
Wyoming	0	0	0	0	0	0	0	0	0	–
American Samoa	0	0	0	0	0	0	0	0	0	–
Guam	0	0	0	0	0	0	0	0	0	–
Puerto Rico	0	0	0	0	0	0	0	0	0	–
Virgin Islands	0	0	0	0	0	0	0	0	0	–

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 37

GRADUATIONS FROM ACCREDITED AND NON-ACCREDITED PROGRAMS, BY NLN REGION AND STATE AND TYPE OF PROGRAM: 1985-86[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS	NUMBER OF GRADUATIONS											
		ALL BASIC RN PROGRAMS			BACCALAUREATE PROGRAMS			ASSOCIATE DEGREE PROGRAMS			DIPLOMA PROGRAMS		
		Total	Accredited	Not Accredited	Total	Accredited	Not Accredited	Total	Accredited	Not Accredited	Total	Accredited	Not Accredited
United States	**1,469**	**77,027**	**64,567**	**12,460**	**25,170**	**24,544**	**626**	**41,333**	**29,583**	**11,750**	**10,524**	**10,440**	**84**
North Atlantic	359	19,622	18,276	1,346	6,744	6,677	67	8,791	7,571	1,220	4,087	4,028	59
Midwest	429	23,378	19,680	3,698	7,600	7,399	201	11,512	8,015	3,497	4,266	4,266	0
South	478	23,250	19,579	3,671	7,562	7,387	175	13,744	10,273	3,471	1,944	1,919	25
West	203	10,777	7,032	3,745	3,264	3,081	183	7,286	3,724	3,562	227	227	0
Alabama	36	1,857	1,837	20	781	781	0	972	952	20	104	104	0
Alaska	2	61	61	0	38	38	0	23	23	0	0	0	0
Arizona	15	797	788	9	251	251	0	546	537	9	0	0	0
Arkansas	20	771	678	93	207	207	0	475	382	93	89	89	0
California	90	5,566	2,879	2,687	1,362	1,295	67	4,002	1,382	2,620	202	202	0
Colorado	13	585	424	161	266	266	0	294	133	161	25	25	0
Connecticut	18	917	917	0	363	363	0	310	310	0	244	244	0
Delaware	6	311	259	52	166	156	10	133	91	42	12	12	0
District of Columbia	6	332	332	0	294	294	0	38	38	0	0	0	0
Florida	40	2,995	2,161	834	570	520	50	2,315	1,531	784	110	110	0
Georgia	34	1,547	1,547	0	425	425	0	981	981	0	141	141	0
Hawaii	6	172	138	34	65	42	23	107	96	11	0	0	0
Idaho	6	249	249	0	31	31	0	218	218	0	0	0	0
Illinois	77	4,012	3,331	681	1,185	1,137	48	2,096	1,463	633	731	731	0
Indiana	36	2,230	2,096	134	899	828	71	1,078	1,015	63	253	253	0
Iowa	39	1,566	842	724	438	438	0	778	54	724	350	350	0
Kansas	30	1,051	1,032	19	447	447	0	511	492	19	93	93	0
Kentucky	28	1,287	965	322	498	483	15	789	482	307	0	0	0
Louisiana	22	1,000	928	72	438	401	37	344	309	35	218	218	0
Maine	14	379	358	21	171	171	0	161	140	21	47	47	0
Maryland	24	1,357	1,074	283	393	393	0	825	542	283	139	139	0
Massachusetts	46	2,420	2,334	86	917	917	0	995	909	86	508	508	0
Michigan	50	3,136	1,885	1,251	902	902	0	1,980	729	1,251	254	254	0
Minnesota	25	1,500	1,299	201	507	507	0	901	700	201	92	92	0
Mississippi	21	1,013	817	196	356	356	0	657	461	196	0	0	0
Missouri	41	1,859	1,528	331	432	363	69	804	542	262	623	623	0
Montana	6	258	175	83	175	175	0	83	0	83	0	0	0
Nebraska	13	503	502	1	160	159	1	65	65	0	278	278	0
Nevada	5	171	112	59	43	43	0	128	69	59	0	0	0
New Hampshire	10	334	224	110	124	124	0	187	77	110	23	23	0
New Jersey	38	2,072	2,072	0	419	419	0	975	975	0	678	678	0
New Mexico	13	407	194	213	86	86	0	321	108	213	0	0	0
New York	110	6,812	6,234	578	1,982	1,982	0	4,201	3,682	519	629	570	59
North Carolina	56	1,967	925	1,042	626	626	0	1,159	130	1,029	182	169	13
North Dakota	9	419	419	0	192	192	0	87	87	0	140	140	0
Ohio	69	4,782	4,531	251	1,315	1,315	0	2,199	1,948	251	1,268	1,268	0
Oklahoma	27	782	745	37	339	331	8	443	414	29	0	0	0
Oregon	17	740	462	278	266	173	93	474	289	185	0	0	0
Pennsylvania	98	5,304	4,820	484	1,957	1,900	57	1,466	1,039	427	1,881	1,881	0
Rhode Island	7	532	532	0	279	279	0	188	188	0	65	65	0
South Carolina	19	889	711	178	363	327	36	514	384	130	12	0	12
South Dakota	8	421	407	14	175	175	0	202	188	14	44	44	0
Tennessee	35	1,850	1,850	0	537	537	0	854	854	0	459	459	0
Texas	64	3,425	3,098	327	1,293	1,293	0	2,023	1,696	327	109	109	0
Utah	4	373	373	0	168	168	0	205	205	0	0	0	0
Vermont	5	209	194	15	72	72	0	137	122	15	0	0	0
Virginia	35	1,677	1,533	144	573	544	29	825	710	115	279	279	0
Washington	23	1,263	1,056	207	461	461	0	802	595	207	0	0	0
West Virginia	18	833	710	123	163	163	0	568	445	123	102	102	0
Wisconsin	32	1,899	1,808	91	948	936	12	811	732	79	140	140	0
Wyoming	5	135	121	14	52	52	0	83	69	14	0	0	0
American Samoa	1	10	0	10	0	0	0	10	0	10	0	0	0
Guam	1	12	0	12	0	0	0	12	0	12	0	0	0
Puerto Rico	20	1,017	496	521	625	304	321	392	192	200	0	0	0
Virgin Islands	2	13	9	4	4	0	4	9	9	0	0	0	0

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Graduations of RNs from Baccalaureate Nursing Programs (Tables 38-40)

- The total number of RNs to graduate from baccalaureate programs swelled to 10,380 in 1985-86—an 8.2 percent increase from the previous year. Graduates from basic baccalaureate programs constitute 55 percent (5,698) of the returning RN group; RNs in special BRN programs represent 45 percent (4,682) of the RN group (see Table 38).

- The combined total of both basic and RN baccalaureate graduates rose to 35,550—a 2.8 percent increase from 1984-85. The returning RN represented 29 percent of total BSN graduations (see Table 38).

- Basic baccalaureate graduations increased almost 1 percent, whereas RN graduations from basic programs grew 2 percent. Graduations from BRN programs increased a whopping 17 percent since 1984-85 (see Table 38).

- The Midwest contains the largest group of RN graduates from baccalaureate programs, with 28 percent of the total. The North Atlantic placed a close second with 27 percent of the total. The South reported 25 percent of returning RN graduates; and the West, 20 percent (see Table 39).

- Fifty-seven percent (5,952) of the 1985-86 RN graduates from baccalaureate programs previously held the associate degree.

- **TEN-YEAR TREND:** Basic graduations from BSN programs rose 7.3 percent in the past ten years, whereas the number of RNs to receive baccalaureate degrees rose 111 percent during that time. The combined number of baccalaureate graduations increased 23.1 percent in the past decade.

- **FIVE-YEAR TREND:** The proportion of RNs who previously held diplomas is decreasing slightly, whereas the proportion of RNs who already had an associate degree is increasing slightly (see Table 39). RN graduations from baccalaureate programs increased 13 percent since 1981-82. The number of generic graduations grew 7 percent over the past five years.

Table 38

BASIC AND RN STUDENT GRADUATIONS FROM BACCALAUREATE NURSING PROGRAMS: 1976-77 TO 1985-86[1]

YEAR	GRADUATIONS FROM BACCALAUREATE NURSING PROGRAMS			
	Total Graduations	Generic Programs		BRN* Programs
		Basic Students	RN Students	RN Students
1976-77	28,872	23,452	3,001	1,919
1977-78	30,309	24,187	3,774	2,348
1978-79	31,462	25,048	4,034	2,380
1979-80	32,312	24,994	4,477	2,841
1980-81	32,608	24,370	4,872	3,366
1981-82	33,252	24,081	5,748	3,423
1982-83	32,748	23,855	5,654	3,239
1983-84	33,803	23,718	6,275	3,810
1984-85	34,569	24,975	5,587	4,007
1985-86	35,550	25,170	5,698	4,682

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

* BRN programs are baccalaureate programs that admit only RNs.

Table 39

GRADUATIONS OF REGISTERED NURSES FROM BACCALAUREATE NURSING PROGRAMS, BY PREVIOUS BASIC NURSING EDUCATION AND REGION: 1981-82 TO 1985-86[1]

YEAR AND REGION	BACCALAUREATE PROGRAMS REPORTING RN GRADUATIONS	PREVIOUS NURSING CREDENTIAL[2]		
		Total	Diploma	Associate Degree
1981-82 (Total)	**417**	**9,171**	**4,481**	**4,690**
North Atlantic	112	2,995	1,778	1,217
Midwest	116	2,397	1,320	1,077
South	128	2,437	968	1,469
West	61	1,342	415	927
1982-83 (Total)	**449**	**8,893**	**4,308**	**4,585**
North Atlantic	120	2,741	1,632	1,109
Midwest	129	2,552	1,328	1,224
South	137	2,277	950	1,327
West	63	1,323	398	925
1983-84 (Total)	**549**	**10,085**	**4,874**	**5,211**
North Atlantic	147	3,143	1,661	1,482
Midwest	162	2,575	1,490	1,082
South	168	2,888	1,297	1,591
West	72	1,479	423	1,056
1984-85 (Total)	**602**	**9,594**	**4,115**	**5,479**
North Atlantic	156	2,946	1,422	1,524
Midwest	180	2,709	1,437	1,272
South	189	2,588	887	1,701
West	77	1,351	369	982
1985-86 (Total)	**616**	**10,380**	**4,428**	**5,952**
North Atlantic	164	2,827	1,342	1,485
Midwest	186	2,897	1,437	1,460
South	191	2,556	932	1,624
West	75	2,100	717	1,383

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Includes RNs in basic programs, RNs in BRN programs, and basic BSN students.

Table 40

TOTAL GRADUATIONS FROM BACCALAUREATE NURSING PROGRAMS, BY NLN REGION AND STATE: 1982 TO 1986[1]

NLN REGION AND STATE	GRADUATIONS IN BACCALAUREATE NURSING PROGRAMS[2]									
	1982		1983		1984		1985		1986	
	Total	RNs Only	Total	RNs Only	Total	RNs Only	Total	RNs Only	Total	RNs Only
United States	**33,252**	**9,171**	**32,748**	**8,893**	**33,803**	**10,085**	**34,569**	**9,594**	**35,550**	**10,380**
North Atlantic	10,197	2,995	9,417	2,741	9,700	3,143	9,861	2,946	9,571	2,827
Midwest	9,350	2,397	9,866	2,552	9,757	2,575	10,188	2,709	10,497	2,897
South	9,395	2,437	9,264	2,277	10,020	2,888	10,123	2,588	10,118	2,556
West	4,310	1,342	4,201	1,323	4,326	1,479	4,397	1,351	5,364	2,100
Alabama	760	143	873	167	1,019	194	1,132	177	949	168
Alaska	48	13	52	16	39	5	48	10	50	12
Arizona	340	62	339	84	392	142	452	142	615	364
Arkansas	167	12	187	24	276	41	216	31	232	25
California	1,929	685	1,909	720	1,768	615	1,903	651	2,108	746
Colorado	403	134	361	134	410	166	354	104	801	535
Connecticut	423	94	514	171	416	124	442	83	475	112
Delaware	202	12	197	13	1,173	12	209	29	204	38
District of Columbia	300	42	272	45	303	60	355	62	333	39
Florida	674	195	654	203	915	341	1,031	401	915	345
Georgia	478	131	526	134	548	153	543	76	545	120
Hawaii	100	36	97	27	115	63	48	48	85	20
Idaho	68	24	69	26	60	23	59	26	62	31
Illinois	1,420	365	1,625	443	1,536	414	1,644	473	1,687	502
Indiana	961	288	1,120	349	838	208	1,019	280	1,164	265
Iowa	609	158	550	133	537	139	521	89	561	123
Kansas	497	76	557	74	474	75	577	86	527	80
Kentucky	501	314	384	195	438	221	493	264	671	173
Louisiana	495	43	445	52	461	53	449	48	479	41
Maine	138	14	134	12	136	23	176	32	200	29
Maryland	633	215	647	204	651	215	632	228	579	186
Massachusetts	1,419	463	1,350	383	1,405	447	1,443	411	1,363	446
Michigan	1,227	310	1,287	342	1,259	299	1,267	369	1,357	455
Minnesota	693	77	704	116	752	154	742	160	699	192
Mississippi	474	188	409	116	454	130	420	83	427	71
Missouri	768	294	772	292	801	337	751	273	734	302
Montana	150	20	138	11	176	12	177	11	175	0
Nebraska	304	102	337	157	333	126	496	232	437	277
Nevada	68	27	61	27	62	21	66	28	68	25
New Hampshire	155	35	188	61	148	32	190	48	147	23
New Jersey	793	256	819	269	714	337	684	297	657	238
New Mexico	88	15	86	12	113	32	101	34	133	47
New York	4,113	1,400	3,555	1,167	3,605	1,282	3,348	1,182	3,130	1,148
North Carolina	862	110	823	156	816	205	800	137	824	198
North Dakota	234	28	211	20	249	15	185	22	212	20
Ohio	1,303	391	1,364	372	1,577	523	1,668	459	1,861	546
Oklahoma	374	43	359	53	376	65	364	58	396	57
Oregon	274	73	259	49	230	60	283	70	357	91
Pennsylvania	1,089	504	2,198	523	2,355	715	2,565	690	2,624	567
Rhode Island	397	75	314	62	349	88	329	67	337	58
South Carolina	347	78	328	96	385	102	353	89	536	173
South Dakota	229	31	197	14	210	26	193	19	190	15
Tennessee	602	171	559	111	623	143	667	178	711	174
Texas	1,973	466	1,811	431	1,887	635	1,903	463	1,754	461
Utah	180	98	208	80	367	213	240	93	252	84
Vermont	168	100	103	35	96	23	120	45	101	29
Virginia	802	243	771	232	856	233	836	242	798	225
Washington	621	141	593	132	559	123	619	123	589	128
West Virginia	253	85	261	103	315	157	284	113	302	139
Wisconsin	1,105	277	1,142	240	1,191	259	1,125	227	1,068	120
Wyoming	41	14	29	5	35	4	47	11	69	17
American Samoa	0	0	0	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	2	2	0	0
Puerto Rico	615	173	755	212	674	182	883	198	930	305
Virgin Islands	0	0	0	0	0	0	0	0	10	6

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Totals include RNs in basic programs, RNs in BRN programs, and basic BSN students.

MEN AND MINORITY STUDENTS

- Eighty-four percent (1,228) of all basic RN programs reported data on men and minority students. According to region, the response rate to this section of the questionnaire was 93 percent for the North Atlantic, 83 percent for the Midwest, 86 percent for the South, and 81 percent for the West.

- By program type, the response rate for the section on men and minority students was 88 percent for diploma programs, 84 percent for baccalaureate programs, and 83 percent for associate degree programs.

Admissions of Men and Minority Students (Tables 41-45)

- The number of men admitted to basic RN programs stood at 5,715, or 6.6 percent of total admissions in 1985-86. Among regions, the West had the highest proportion of men, 8.2 percent of their annual admissions. The Midwest reported that almost 7 percent of their annual admissions were men; almost 6 percent in the South; and over 6 percent in the North Atlantic (see Table 41).

- Blacks constituted 9.3 percent of total annual admissions to basic RN programs in 1985-86. Programs in the South admitted the highest proportion of black students, 13 percent. The North Atlantic reported an admission rate for blacks of 10 percent; the Midwest, 6.4 percent; and the West, 4.6 percent (see Table 41).

- Hispanic students represented 2.8 percent of the total annual admissions to basic RN programs. The West reported that 7 percent of admissions were Hispanic; the South reported about 3 percent; the North Atlantic, 2.5 percent; and the Midwest, almost 1 percent (see Table 41).

- Asian students constituted almost 2 percent of annual admissions to basic RN programs in 1985-86. The West reported that 6.6 percent of their admissions were Asian, and Asian students made up about 2 percent of the annual admissions in the North Atlantic. The other regions report about 1 percent Asian admissions (see Table 41).

- American Indians made up less than 1 percent of all admissions to basic RN programs (see Tables 41 and 45).

- The West reported the highest percentages of admissions of men, Asians, and American Indians across all program types. The South reported the most black students admitted (see Table 41).

- Since 1978, when data on men and minority students was first reported the proportion of each of these groups admitted to basic RN programs has fluctuated. The 1985-86 figures, however, represent an increase in the proportion of men and minorities in almost all categories (see Table 45).

- Associate degree programs reported the largest percentage of male, black, and Hispanic admissions. Baccalaureate programs reported the most Asian admissions.

Table 41

ADMISSIONS OF MEN AND MINORITY STUDENTS TO ALL BASIC RN PROGRAMS, BY NLN REGIONS AND STATES: 1985-86[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL RN ADMISSIONS[2]	NUMBER OF ADMISSIONS				
			Males	Blacks	Hispanic	Asian	American Indian
United States	**1,228**	**86,983**	**5,713**	**8,070**	**2,396**	**1,678**	**533**
North Atlantic	325	24,678	1,571	2,466	608	415	67
Midwestern	345	22,985	1,563	1,468	199	249	106
Southern	394	27,534	1,596	3,591	765	233	173
Western	164	11,786	983	545	824	781	187
Alabama	30	1,886	122	383	9	5	2
Alaska	2	171	14	10	3	6	16
Arizona	14	951	57	18	60	16	22
Arkansas	18	825	48	81	6	7	1
California	70	5,724	434	456	597	605	99
Colorado	9	490	35	14	50	4	2
Connecticut	16	871	38	77	22	5	–
Delaware	4	259	12	41	1	–	–
District of Columbia	4	502	8	101	8	15	1
Florida	29	2,648	183	343	190	48	7
Georgia	30	1,728	88	293	8	11	–
Hawaii	3	348	8	3	3	50	–
Idaho	6	303	22	1	4	4	1
Illinois	58	3,953	221	468	82	102	9
Indiana	33	2,410	87	98	23	18	2
Iowa	32	1,359	69	15	–	8	2
Kansas	25	914	51	38	13	16	12
Kentucky	24	2,061	58	69	1	6	–
Louisiana	22	1,768	209	433	55	16	1
Maine	11	474	24	–	–	–	1
Maryland	20	1,454	61	195	6	12	3
Massachusetts	39	2,454	113	98	30	43	2
Michigan	40	3,138	235	263	28	38	21
Minnesota	21	1,232	233	9	4	8	11
Mississippi	17	1,258	71	215	3	1	–
Missouri	33	1,732	133	185	3	14	3
Montana	2	223	5	–	7	1	7
Nebraska	10	485	23	13	4	8	–
Nevada	3	164	21	8	2	5	2
Naw Hampshire	7	336	5	1	–	–	–
New Jersey	32	2,493	90	268	86	65	3
New Mexico	11	366	38	8	59	2	13
New York	95	10,708	878	1,659	421	199	50
North Carolina	46	2,375	75	259	27	7	17
North Dakota	4	221	12	1	2	1	7
Ohio	56	4,513	331	297	26	28	2
Oklahoma	25	1,132	68	50	9	12	122
Oregon	15	804	100	3	11	28	8
Pennsylvania	89	6,055	337	218	39	66	9
Rhode Island	4	315	2	2	–	17	–
South Carolina	16	1,051	45	132	4	3	1
South Dakota	7	331	42	1	–	3	35
Tennessee	30	2,176	114	348	15	19	2
Texas	54	4,195	360	437	429	63	16
Utah	4	473	33	2	3	6	–
Vermont	5	211	6	1	1	2	–
Virginia	32	1,931	98	330	3	23	2
Washington	21	1,646	209	21	24	54	14
West Virginia	18	1,046	54	23	–	3	–
Wisconsin	26	2,739	126	80	14	5	2
Wyoming	4	123	9	1	1	–	3
American Samoa	1	34	–	–	–	33	–
Guam	–	–	–	–	–	–	–
Puerto Rico	15	2,574	80	4	779	–	–
Virgin Islands	2	28	1	17	–	–	–

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Figures represent only those programs responding to this section of the questionnaire.

Table 42

ADMISSIONS OF MEN AND MINORITY STUDENTS TO BACCALAUREATE PROGRAMS, BY NLN REGION AND STATE: 1985-86[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL BACCALAUREATE ADMISSIONS[2]	NUMBER OF ADMISSIONS				
			Males	Blacks	Hispanic	Asian	American Indian
United States	**382**	**29,512**	**1,783**	**2,477**	**784**	**738**	**196**
North Atlantic	87	7,489	414	536	232	140	26
Midwestern	109	8,142	411	353	51	118	22
Southern	139	9,691	617	1,425	273	118	42
Western	47	4,190	341	163	228	362	106
Alabama	11	781	63	160	1	4	0
Alaska	1	132	13	7	1	4	15
Arizona	4	314	19	3	12	4	7
Arkansas	7	258	21	31	3	3	0
California	19	1,919	129	138	171	283	73
Colorado	4	250	16	6	23	4	2
Connecticut	6	326	8	9	10	4	0
Delaware	1	35	0	25	1	0	0
District of Columbia	4	502	8	101	8	15	1
Florida	9	583	20	96	40	10	2
Georgia	12	674	38	130	5	4	0
Hawaii	1	147	1	2	2	24	0
Idaho	1	45	9	0	0	2	0
Illinois	19	1,238	67	104	16	34	1
Indiana	11	1,137	35	44	4	11	1
Iowa	10	411	16	7	0	5	1
Kansas	8	315	27	12	8	10	1
Kentucky	7	948	24	24	1	6	0
Louisiana	12	974	147	292	44	14	0
Maine	3	206	16	0	0	0	1
Maryland	6	612	23	49	3	9	2
Massachusetts	9	696	32	12	7	27	1
Michigan	11	971	54	69	9	23	4
Minnesota	10	460	28	1	2	4	2
Mississippi	7	407	19	107	1	0	0
Missouri	8	456	54	47	1	4	0
Montana	1	157	0	0	0	0	0
Nebraska	4	264	12	7	2	7	0
Nevada	1	42	14	0	1	3	1
New Hampshire	3	117	1	0	0	0	0
New Jersey	3	355	2	8	4	1	0
New Mexico	1	26	4	0	5	0	0
New York	26	3,185	251	303	191	71	21
North Carolina	12	587	25	125	3	1	9
North Dakota	4	179	12	1	2	1	7
Ohio	12	1,142	59	39	4	17	2
Oklahoma	11	455	29	25	6	10	26
Oregon	4	292	42	1	2	19	3
Pennsylvania	27	1,809	94	78	11	22	2
Rhode Island	2	125	0	0	0	0	0
South Carolina	5	443	17	53	4	2	0
South Dakota	2	113	9	0	0	0	2
Tennessee	9	508	42	69	3	4	1
Texas	16	1,455	120	152	156	38	1
Utah	3	212	13	0	3	4	0
Vermont	1	73	2	0	0	0	0
Virginia	9	662	24	106	3	11	1
Washington	6	601	78	6	8	15	5
West Virginia	6	344	5	6	0	2	0
Wisconsin	10	1,456	38	22	3	2	1
Wyoming	1	53	3	0	0	0	0
American Samoa	—	—	—	—	—	—	—
Guam	—	—	—	—	—	—	—
Puerto Rico	9	1,918	43	4	715	0	0
Virgin Islands	1	10	0	10	0	0	0

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Figures represent only those programs responding to this section of the questionnaire.

Table 43

ADMISSIONS OF MEN AND MINORITY STUDENTS TO ASSOCIATE DEGREE PROGRAMS, BY NLN REGION AND STATE: 1985-86[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL ASSOCIATE DEGREE ADMISSIONS[2]	NUMBER OF ADMISSIONS				
			Males	Blacks	Hispanic	Asian	American Indian
United States	**643**	**48,035**	**3,432**	**4,844**	**1,434**	**788**	**331**
North Atlantic	142	13,061	930	1,623	309	204	40
Midwestern	168	11,482	963	941	115	89	82
Southern	218	16,082	914	1,910	447	98	129
Western	115	7,410	625	370	563	397	80
Alabama	17	1,073	58	222	5	1	2
Alaska	1	39	1	3	2	2	1
Arizona	10	637	38	15	48	12	15
Arkansas	10	536	27	50	3	4	1
California	50	3,619	288	306	393	300	25
Colorado	4	240	19	8	27	—	—
Connecticut	5	365	22	60	10	1	—
Delaware	3	224	12	16	—	—	—
District of Columbia	—	—	—	—	—	—	—
Florida	19	1,996	158	232	133	35	5
Georgia	16	952	45	154	1	7	—
Hawaii	2	201	7	1	1	26	—
Idaho	5	258	13	1	4	2	1
Illinois	25	1,968	129	334	46	40	7
Indiana	16	970	45	49	17	7	1
Iowa	15	796	37	8	—	3	1
Kansas	15	512	23	26	5	6	11
Kentucky	17	1,113	34	45	—	—	—
Louisiana	6	457	46	67	6	—	—
Maine	7	244	7	—	—	—	—
Maryland	10	743	31	134	2	3	1
Massachusetts	17	1,324	64	71	19	14	1
Michigan	26	1,863	159	167	16	12	16
Minnesota	11	772	205	8	2	4	9
Mississippi	10	851	52	108	2	1	—
Missouri	17	784	57	94	2	5	3
Montana	1	66	5	—	7	1	7
Nebraska	1	70	1	2	—	—	—
Nevada	2	122	7	8	1	2	1
New Hampshire	3	175	4	1	—	—	—
New Jersey	12	1,157	59	83	46	23	3
New Mexico	10	340	34	8	54	2	13
New York	52	6,868	594	1,314	215	109	28
North Carolina	30	1,621	49	124	24	6	7
North Dakota	—	—	—	—	—	—	—
Ohio	24	2,374	213	203	17	7	—
Oklahoma	14	677	39	25	3	2	96
Oregon	11	512	58	2	9	9	5
Pennsylvania	21	2,416	106	75	18	35	7
Rhode Island	1	150	—	2	—	17	—
South Carolina	10	595	28	78	—	1	1
South Dakota	4	186	17	1	—	2	33
Tennessee	16	1,217	66	186	12	13	1
Texas	36	2,630	231	281	256	24	15
Utah	1	261	20	2	—	2	—
Vermont	4	138	4	1	1	2	—
Virginia	14	980	69	188	—	3	1
Washington	15	1,045	131	15	16	39	9
West Virginia	10	641	39	16	—	1	—
Wisconsin	14	1,187	77	49	10	3	1
Wyoming	3	70	6	1	1	—	3
American Samoa	1	34	—	—	—	33	—
Guam	—	—	—	—	—	—	—
Puerto Rico	6	656	37	—	646	—	—
Virgin Islands	1	18	1	17	1	—	—

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Figures represent only those programs responding to this section of the questionnaire.

Table 44

ADMISSIONS OF MEN AND MINORITY STUDENTS TO DIPLOMA PROGRAMS, BY NLN REGION AND STATE: 1985-86[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL DIPLOMA ADMISSIONS[2]	NUMBER OF ADMISSIONS				
			Males	Blacks	Hispanic	Asian	American Indian
United States	**203**	**9,436**	**498**	**749**	**178**	**152**	**6**
North Atlantic	96	4,128	227	307	67	71	1
Midwestern	68	3,361	189	174	33	42	2
Southern	37	1,761	65	256	45	17	2
Western	2	186	17	12	33	22	1
Alabama	2	32	1	1	3	0	0
Alaska	—	—	—	—	—	—	—
Arizona	—	—	—	—	—	—	—
Arkansas	1	31	0	0	0	0	0
California	1	186	17	12	33	22	1
Colorado	1	0	0	0	0	0	0
Connecticut	5	180	8	8	2	0	0
Delaware	—	—	—	—	—	—	—
District of Columbia	—	—	—	—	—	—	—
Florida	1	69	5	15	17	3	0
Georgia	2	102	5	9	2	0	0
Hawaii	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—
Illinois	14	747	25	30	20	28	1
Indiana	6	303	7	5	2	0	0
Iowa	7	152	16	0	0	0	0
Kansas	2	87	1	0	0	0	0
Kentucky	—	—	—	—	—	—	—
Louisiana	4	337	16	74	5	2	1
Maine	1	24	1	0	0	0	0
Maryland	4	99	7	12	1	0	0
Massachusetts	13	434	17	15	4	2	0
Michigan	3	304	22	27	3	3	1
Minnesota	—	—	—	—	—	—	—
Mississippi	—	—	—	—	—	—	—
Missouri	8	492	22	44	0	5	0
Montana	—	—	—	—	—	—	—
Nebraska	5	151	10	4	2	1	0
Nevada	—	—	—	—	—	—	—
New Hampshire	1	44	0	0	0	0	0
New Jersey	17	981	29	177	36	41	0
New Mexico	—	—	—	—	—	—	—
New York	17	655	33	42	15	19	1
North Carolina	4	167	1	10	0	0	1
North Dakota	—	—	—	—	—	—	—
Ohio	20	997	59	55	5	4	0
Oklahoma	—	—	—	—	—	—	—
Oregon	—	—	—	—	—	—	—
Pennsylvania	41	1,770	137	65	10	9	0
Rhode Island	1	40	2	0	0	0	0
South Carolina	1	13	0	1	0	0	0
South Dakota	1	32	16	0	0	1	0
Tennessee	5	451	6	93	0	2	0
Texas	2	110	9	4	17	1	0
Utah	—	—	—	—	—	—	—
Vermont	—	—	—	—	—	—	—
Virginia	9	289	5	36	0	9	0
Washington	—	—	—	—	—	—	—
West Virginia	2	61	10	1	0	0	0
Wisconsin	2	96	11	9	1	0	0
Wyoming	—	—	—	—	—	—	—
American Samoa	—	—	—	—	—	—	—
Guam	—	—	—	—	—	—	—
Puerto Rico	—	—	—	—	—	—	—
Virgin Islands	—	—	—	—	—	—	—

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands

[2] Figures represent only those programs responding to this section of the questionnaire

Table 45

TRENDS IN ADMISSIONS OF MEN AND MINORITY STUDENTS IN BASIC RN PROGRAMS, 1978 TO 1986[1]

YEAR	NUMBER OF PROGRAMS REPORTING	MEN		BLACKS		HISPANIC		ASIAN		AMERICAN INDIAN	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
ALL REPORTING RN PROGRAMS											
1978	1,202	8,359	8.3	7,295	7.3	1,664	1.7	1,352	1.3	*	*
1981	1,276	6,498	7.3	8,531	9.5	2,312	3.0	1,732	2.2	*	*
1984	1,348	7,971	7.0	9,226	8.1	2,877	2.5	1,911	1.7	633	0.6
1985	1,260	6,344	6.3	8,098	8.0	2,495	2.5	1,558	1.5	713	0.7
1986	1,228	5,715	6.6	8,070	9.3	2,398	2.8	1,678	1.9	533	0.6
BACCALAUREATE PROGRAMS											
1978	320	2,199	6.2	2,900	8.2	450	1.3	491	1.4	*	*
1981	333	1,959	7.3	2,797	10.2	480	3.0	780	3.1	*	*
1984	404	2,384	6.4	3,521	9.4	893	2.4	914	2.4	156	0.4
1985	374	1,972	5.9	2,444	7.3	672	2.0	593	1.8	146	0.4
1986	382	1,783	6.0	2,477	8.4	784	2.7	738	2.5	198	0.7
ASSOCIATE DEGREE PROGRAMS											
1978	571	3,133	6.8	3,569	7.7	982	2.1	590	1.3	*	*
1981	654	3,677	7.9	4,663	10.0	1,336	3.3	833	2.1	*	*
1984	695	4,712	8.0	4,784	8.1	1,702	2.9	836	1.4	457	0.8
1985	643	3,540	6.5	4,738	8.8	1,568	2.9	768	1.4	546	1.0
1986	643	3,432	7.1	4,844	10.1	1,434	3.0	788	1.6	331	0.7
DIPLOMA PROGRAMS											
1978	311	1,027	5.3	828	4.3	232	1.2	271	1.4	*	*
1981	289	862	5.6	1,072	6.9	225	1.7	119	0.9	*	*
1984	249	875	5.1	921	5.3	282	1.6	161	0.9	20	0.1
1985	243	832	5.9	914	6.5	255	1.8	197	1.4	21	0.1
1986	203	498	5.3	749	7.9	178	1.9	152	1.6	8	0.1

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands

* "American Indian/Oriental" was one category before 1984

Enrollments of Men and Minority Students (Tables 46-50)

- The patterns of enrollments of male and minority students in basic RN programs are similar to those found in admissions. The West reported the greatest proportion of male (5.7%), Hispanic (5.8%), Asian (4.3%), and American Indian (1.0%) students enrolled, making it the most diverse region in overall enrollment. The South reports the largest percentage of black students—9.4 percent of the region's total enrollments (see Table 46).

- The overall proportion of black students enrolled in basic RN programs has fluctuated since 1978. Only diploma programs have reported consistent increases in the percentages of black students over the past six years (see Table 50).

- Associate degree programs reported the largest proportion of men and minority enrollment. Baccalaureate programs reported significant drops in the number of men and minority enrollments between 1985 and 1986.

- Examination of trends in enrollments of men and minorities since 1978 indicates that the overall proportion of men has been declining since its apex in 1984. Both baccalaureate and diploma programs registered declining numbers of men enrollees (Table 50).

Table 46

ENROLLMENTS OF MEN AND MINORITY STUDENTS IN ALL BASIC RN PROGRAMS, BY NLN REGION AND STATE: 1985-86[1, 2]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL RN ENROLLMENTS	NUMBER OF ENROLLMENTS				
			Males	Blacks	Hispanic	Asian	American Indian
United States	**1,228**	**188,330**	**8,259**	**11,999**	**3,477**	**2,705**	**695**
North Atlantic	325	56,754	2,042	3,624	603	629	124
Midwestern	345	52,781	2,199	2,337	431	492	122
Southern	394	56,292	2,733	5,277	1,142	418	229
Western	164	22,503	1,285	761	1,301	1,166	220
Alabama	30	4,370	237	795	16	23	6
Alaska	2	472	34	15	8	15	24
Arizona	14	1,831	117	33	115	29	32
Arkansas	18	1,682	99	156	12	10	7
California	70	10,378	635	631	939	948	116
Colorado	9	971	45	17	67	8	6
Connecticut	16	2,348	74	125	37	11	1
Delaware	4	371	15	87	—	2	—
District of Columbia	4	832	21	233	27	53	3
Florida	29	4,707	551	507	318	53	14
Georgia	30	3,049	75	259	13	13	—
Hawaii	3	626	14	7	6	63	1
Idaho	6	484	11	1	5	5	2
Illinois	58	8,208	275	782	215	301	18
Indiana	33	6,841	188	250	49	36	8
Iowa	32	2,752	163	17	5	15	4
Kansas	25	1,738	90	62	29	22	17
Kentucky	24	3,491	123	103	3	13	—
Louisiana	22	5,232	382	1,482	56	25	12
Maine	11	957	28	—	—	—	6
Maryland	20	2,939	76	265	23	23	4
Massachusetts	39	6,186	215	146	43	34	12
Michigan	40	7,511	336	296	30	22	22
Minnesota	21	2,641	324	29	7	9	19
Mississippi	17	2,559	120	99	15	2	—
Missouri	33	4,047	190	233	22	27	7
Montana	2	716	16	1	14	1	4
Nebraska	10	1,307	32	17	5	8	2
Nevada	3	447	24	10	8	3	—
New Hampshire	7	931	11	3	—	—	—
New Jersey	32	4,989	183	523	131	119	20
New Mexico	11	742	44	8	101	2	14
New York	95	23,236	1,003	2,119	303	277	68
North Carolina	46	4,471	162	217	55	15	25
North Dakota	4	816	12	1	1	1	9
Ohio	56	10,343	423	520	40	34	4
Oklahoma	25	1,967	109	65	12	14	125
Oregon	15	1,525	116	5	11	26	2
Pennsylvania	89	15,473	469	379	62	105	13
Rhode Island	4	981	15	9	—	26	—
South Carolina	16	2,372	60	95	3	17	3
South Dakota	7	1,050	22	3	—	2	9
Tennessee	30	4,741	213	394	17	29	10
Texas	54	7,955	312	480	570	111	14
Utah	4	1,117	31	2	5	6	1
Vermont	5	450	8	—	—	2	1
Virginia	32	4,325	120	326	25	65	6
Washington	21	2,870	194	31	22	60	18
West Virginia	18	2,432	94	34	4	5	3
Wisconsin	26	5,527	144	127	28	15	3
Wyoming	4	324	5	—	—	—	—
American Samoa	1	14	10	—	1	—	—
Guam	—	—	—	—	—	—	—
Puerto Rico	15	3,558	704	3	997	—	5
Virgin Islands	2	61	1	31	2	—	—

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Figures represent only those programs responding to this section of the questionnaire.

Table 47

ENROLLMENTS OF MEN AND MINORITY STUDENTS IN BACCALAUREATE PROGRAMS, BY NLN REGION AND STATE: 1985-86[1, 2]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL BACCALAUREATE ENROLLMENTS	NUMBER OF ENROLLMENTS				
			Males	Blacks	Hispanic	Asian	American Indian
United States	**382**	**92,159**	**2,219**	**4,167**	**1,239**	**1,211**	**284**
North Atlantic	87	26,461	277	703	132	88	41
Midwestern	109	27,634	529	602	196	299	34
Southern	139	27,305	1,018	2,628	546	206	69
Western	47	10,759	395	234	365	618	140
Alabama	11	2,545	144	452	11	13	3
Alaska	1	409	32	11	6	12	24
Arizona	4	853	39	8	42	8	17
Arkansas	7	655	25	55	4	4	1
California	19	4,392	186	192	253	499	77
Colorado	4	539	18	7	27	8	6
Connecticut	6	1,229	26	40	12	7	0
Delaware	1	86	4	48	0	2	0
District of Columbia	4	832	21	233	27	53	3
Florida	9	1,577	55	121	100	26	10
Georgia	12	1,245	43	174	10	6	0
Hawaii	1	412	4	7	6	52	1
Idaho	1	46	7	0	0	2	0
Illinois	19	4,113	114	330	117	201	6
Indiana	11	4,402	85	142	23	32	5
Iowa	10	1,231	71	14	1	12	2
Kansas	8	1,017	42	17	16	17	1
Kentucky	7	1,836	58	48	2	12	0
Louisiana	12	3,548	248	1,164	27	16	9
Maine	3	582	14	—	—	—	—
Maryland	6	1,505	26	23	3	12	—
Massachusetts	9	2,881	63	69	15	5	10
Michigan	11	4,248	28	30	8	8	5
Minnesota	10	1,235	26	11	4	3	2
Mississippi	7	1,395	83	38	7	2	—
Missouri	8	1,507	24	11	7	8	—
Montana	1	574	13	—	1	1	3
Nebraska	4	789	3	3	1	3	—
Nevada	1	211	3	—	—	—	—
New Hampshire	3	637	—	—	—	—	—
New Jersey	3	985	31	7	6	1	17
New Mexico	1	254	10	—	19	—	—
New York	26	10,067	43	233	62	13	8
North Carolina	12	2,077	29	58	5	5	8
North Dakota	4	719	12	1	1	1	9
Ohio	12	4,165	68	38	2	8	2
Oklahoma	11	886	18	24	2	4	17
Oregon	4	828	40	2	3	11	1
Pennsylvania	27	8,215	59	70	10	6	2
Rhode Island	2	678	12	3	—	1	—
South Carolina	5	1,383	8	21	—	1	—
South Dakota	2	607	7	—	—	—	2
Tennessee	9	1,759	42	43	4	7	9
Texas	16	3,907	207	359	363	87	9
Utah	3	614	11	—	5	4	1
Vermont	3	269	4	—	—	—	1
Virginia	9	1,996	19	48	5	9	—
Washington	6	1,385	32	7	3	21	10
West Virginia	6	991	13	—	3	2	3
Wisconsin	10	3,601	49	5	16	6	—
Wyoming	1	242	—	—	—	—	—
American Samoa	—	—	—	—	—	—	—
Guam	—	—	—	—	—	—	—
Puerto Rico	9	2,679	663	3	275	—	5
Virgin Islands	1	31	—	2	1	—	—

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Figures represent only those programs responding to this section of the questionnaire.

Table 48

ENROLLMENTS OF MEN AND MINORITY STUDENTS IN ASSOCIATE DEGREE PROGRAMS, BY NLN REGION AND STATE: 1985-86[1, 2]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL ASSOCIATE DEGREE ENROLLMENTS	NUMBER OF ENROLLMENTS				
			Males	Blacks	Hispanic	Asian	American Indian
United States	**643**	**74,699**	**4,992**	**6,371**	**1,857**	**1,205**	**385**
North Atlantic	142	20,504	1,326	2,265	339	400	77
Midwestern	168	17,842	1,276	1,436	182	126	81
Southern	218	25,011	1,553	2,172	481	163	152
Western	115	11,342	837	498	855	516	75
Alabama	17	1,701	89	331	5	10	2
Alaska	1	63	2	4	2	3	—
Arizona	10	978	78	25	73	21	15
Arkansas	10	935	73	79	8	6	6
California	50	5,596	396	411	605	417	34
Colorado	4	420	27	9	40	—	—
Connecticut	5	591	36	66	17	3	—
Delaware	3	285	11	39	—	—	—
District of Columbia	—	—	—	—	—	—	—
Florida	19	2,979	484	353	185	22	4
Georgia	16	1,522	30	65	1	7	0
Hawaii	2	214	10	—	—	11	—
Idaho	5	438	3	1	5	3	2
Illinois	25	2,918	121	413	73	63	12
Indiana	16	1,719	80	100	22	3	2
Iowa	15	1,120	71	3	4	3	2
Kansas	15	631	44	45	13	4	16
Kentucky	17	1,655	65	55	1	1	—
Louisiana	6	973	85	176	8	4	2
Maine	7	317	12	—	—	—	6
Maryland	10	1,172	40	224	19	10	4
Massachusetts	17	2,166	117	50	18	25	1
Michigan	26	2,759	272	223	19	9	17
Minnesota	11	1,342	298	18	3	6	17
Mississippi	10	1,164	37	61	8	—	—
Missouri	17	1,362	90	149	5	11	6
Montana	1	142	3	1	13	—	1
Nebraska	1	112	0	3	1	2	0
Nevada	2	236	21	10	8	3	—
New Hampshire	3	235	10	3	—	—	—
New Jersey	12	1,923	77	140	61	33	3
New Mexico	10	488	34	8	82	2	14
New York	52	11,683	899	1,792	208	232	58
North Carolina	30	2,065	132	150	36	4	16
North Dakota	—	—	—	—	—	—	—
Ohio	24	3,884	213	374	32	16	2
Oklahoma	14	1,081	91	41	10	10	108
Oregon	11	697	76	3	8	15	1
Pennsylvania	21	2,882	160	171	35	80	9
Rhode Island	1	241	—	4	—	25	—
South Carolina	10	961	52	66	3	16	3
South Dakota	4	348	7	—	—	—	4
Tennessee	16	2,081	133	219	12	17	0
Texas	36	3,841	90	112	171	20	5
Utah	1	503	20	2	—	2	—
Vermont	4	181	4	—	—	2	—
Virginia	14	1,647	83	209	13	33	2
Washington	15	1,485	162	24	19	39	8
West Virginia	10	1,234	69	31	1	3	—
Wisconsin	14	1,647	80	108	10	9	3
Wyoming	3	82	5	—	—	—	—
American Samoa	1	14	10	0	1	—	13
Guam	—	—	—	—	—	—	—
Puerto Rico	6	879	41	—	722	—	—
Virgin Islands	1	30	1	29	1	—	—

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Figures represent only those programs responding to this section of the questionnaire.

Table 49

ENROLLMENTS OF MEN AND MINORITY STUDENTS IN DIPLOMA PROGRAMS, BY NLN REGION AND STATE: 1985-86[1, 2]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL DIPLOMA ENROLLMENTS	NUMBER OF ENROLLMENTS				
			Males	Blacks	Hispanic	Asian	American Indian
United States	**203**	**21,472**	**1,048**	**1,461**	**381**	**289**	**26**
North Atlantic	96	9,789	439	656	132	141	6
Midwestern	68	7,305	394	299	53	67	7
Southern	37	3,976	162	477	115	49	8
Western	2	402	53	29	81	32	5
Alabama	2	124	4	12	0	0	1
Alaska	—	—	—	—	—	—	—
Arizona	—	—	—	—	—	—	—
Arkansas	1	92	1	22	0	0	0
California	1	390	53	28	81	32	5
Colorado	1	12	0	1	0	0	0
Connecticut	5	528	12	19	8	1	1
Delaware	—	—	—	—	—	—	—
District of Columbia	—	—	—	—	—	—	—
Florida	1	151	12	33	33	5	0
Georgia	2	282	2	20	2	—	—
Hawaii	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—
Illinois	14	1,177	40	39	25	37	0
Indiana	6	720	23	8	4	1	1
Iowa	7	401	21	0	0	0	0
Kansas	2	90	4	0	0	1	0
Kentucky	—	—	—	—	—	—	—
Louisiana	4	711	49	142	21	5	1
Maine	1	58	2	0	0	0	0
Maryland	4	262	10	18	1	1	0
Massachusetts	13	1,139	35	27	10	4	1
Michigan	3	504	36	43	3	5	0
Minnesota	—	64	—	—	—	—	—
Mississippi	—	—	—	—	—	—	—
Missouri	8	1,178	76	73	10	8	1
Montana	—	—	—	—	—	—	—
Nebraska	5	406	29	11	3	3	2
Nevada	—	—	—	—	—	—	—
New Hampshire	1	59	1	0	0	0	0
New Jersey	17	2,081	75	376	64	85	0
New Mexico	—	—	—	—	—	—	—
New York	17	1,486	61	94	33	32	2
North Carolina	4	329	1	9	14	6	1
North Dakota	—	97	—	—	—	—	—
Ohio	20	2,294	142	108	6	10	0
Oklahoma	—	—	—	—	—	—	—
Oregon	—	—	—	—	—	—	—
Pennsylvania	41	4,376	250	138	17	19	2
Rhode Island	1	62	3	2	0	0	0
South Carolina	1	28	0	8	0	0	0
South Dakota	1	95	8	3	0	2	3
Tennessee	5	901	38	132	1	5	1
Texas	2	207	15	9	36	4	0
Utah	—	—	—	—	—	—	—
Vermont	—	—	—	—	—	—	—
Virginia	9	682	18	69	7	23	4
Washington	—	—	—	—	—	—	—
West Virginia	2	207	12	3	0	0	0
Wisconsin	2	279	15	14	2	0	0
Wyoming	—	—	—	—	—	—	—
American Samoa	—	—	—	—	—	—	—
Guam	—	—	—	—	—	—	—
Puerto Rico	—	—	—	—	—	—	—
Virgin Islands	—	—	—	—	—	—	—

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Figures represent only those programs responding to this section of the questionnaire.

Table 50

TRENDS IN ENROLLMENTS OF MEN AND MINORITY STUDENTS IN BASIC RN PROGRAMS, 1978 TO 1986[1]

YEAR	NUMBER OF PROGRAMS REPORTING	MEN		BLACKS		HISPANIC		ASIAN		AMERICAN INDIAN	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
ALL REPORTING RN PROGRAMS											
1978	1,292	10,327	4.8	12,530	5.8	3,079	1.4	2,608	1.2	*	*
1981	1,276	11,183	5.7	14,322	7.2	4,080	2.3	3,155	1.8	*	*
1984	1,348	13,552	6.2	15,363	6.9	4,410	2.0	3,594	1.6	880	0.4
1985	1,250	9,623	5.2	14,595	7.9	4,465	2.4	2,737	1.5	1,078	0.6
1986	1,228	8,259	4.4	11,999	6.4	3,477	1.8	2,705	1.4	695	0.4
BACCALAUREATE PROGRAMS											
1978	320	4,249	4.3	6,318	6.8	1,292	1.4	1,272	1.4	*	*
1981	333	4,265	5.5	6,091	7.7	1,708	2.3	1,682	2.3	*	*
1984	404	5,747	6.2	7,578	8.2	1,927	2.1	2,019	2.2	322	0.4
1985	374	3,787	4.9	6,617	8.5	1,827	2.4	1,409	1.8	363	0.5
1986	382	2,219	2.4	4,167	4.5	1,239	1.3	1,211	1.3	284	0.3
ASSOCIATE DEGREE PROGRAMS											
1978	571	4,218	5.3	4,903	6.2	1,418	1.8	923	0.7	*	*
1981	654	5,252	6.3	6,514	7.8	1,950	2.7	1,244	1.8	*	*
1984	695	6,052	6.5	6,124	6.5	2,011	2.1	1,030	1.1	517	0.6
1985	543	4,254	5.5	6,392	8.2	2,213	2.8	1,033	1.3	671	0.9
1986	643	4,992	6.7	6,371	8.5	1,857	2.5	1,205	1.6	385	0.5
DIPLOMA PROGRAMS											
1978	311	1,862	4.2	1,409	3.2	369	0.8	413	0.9	*	*
1981	289	1,666	4.5	1,717	4.5	422	1.3	229	0.7	*	*
1984	249	1,853	5.2	1,681	4.7	455	1.3	321	0.9	41	0.1
1985	243	1,582	5.5	1,586	5.5	425	1.5	295	1.0	34	0.1
1986	203	1,048	4.9	1,461	6.8	381	1.8	289	1.3	26	0.1

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

* "American Indian/Oriental" was one category before 1984.

Graduation of Men and Minority Students (Tables 51-55)

- In the aggregate the West reported the largest proportion of male, Hispanic, and Asian graduates. However, there is no consistent pattern among program types. Blacks comprise the largest proportion of Southern graduates.

- The proportion of male graduates from baccalaureate programs fell signficantly between 1985 and 1986. A large increase in the proportion of blacks was reported by associate degree and diploma programs. All other categories remained essentially consistent since last year.

Table 51

GRADUATIONS OF MEN AND MINORITY STUDENTS FROM ALL BASIC RN PROGRAMS, BY NLN REGION AND STATE: 1985-86[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL RN GRADUATIONS[2]	NUMBER OF GRADUATIONS				
			Males	Blacks	Hispanic	Asian	American Indian
United States	**1,228**	**70,966**	**3,916**	**4,233**	**1,854**	**899**	**433**
North Atlantic	325	18,152	909	1,194	316	145	38
Midwestern	345	21,245	1,045	909	270	141	80
Southern	394	21,813	1,389	1,761	784	213	148
Western	164	9,756	573	369	484	400	167
Alabama	30	1,813	94	201	76	16	6
Alaska	2	73	3	1	2	1	1
Arizona	14	813	28	5	37	12	8
Arkansas	18	697	83	35	7	6	8
California	70	4,714	261	336	346	284	40
Colorado	9	406	26	1	9	4	3
Connecticut	16	806	37	74	15	2	1
Delaware	4	143	5	9	1	—	—
District of Columbia	4	318	9	66	4	15	—
Florida	29	2,640	136	188	15	21	1
Georgia	30	1,357	69	120	9	3	2
Hawaii	3	210	11	—	1	20	1
Idaho	6	252	16	3	2	1	—
Illinois	58	3,444	110	304	145	53	8
Indiana	33	2,147	76	70	41	10	—
Iowa	32	1,416	61	8	5	8	4
Kansas	25	833	36	21	10	5	12
Kentucky	24	1,132	38	30	2	1	1
Louisiana	22	1,024	87	194	15	16	10
Maine	11	380	24	—	—	—	—
Maryland	20	1,231	36	61	7	14	—
Massachusetts	39	2,049	83	35	16	12	1
Michigan	40	2,809	181	97	14	15	13
Minnesota	21	1,500	96	15	6	7	18
Mississippi	17	923	53	105	9	2	—
Missouri	33	1,637	100	125	11	12	—
Montana	2	211	13	—	6	2	3
Nebraska	10	558	19	6	3	5	1
Nevada	3	130	6	4	1	2	—
New Hampshire	7	290	7	—	—	—	—
New Jersey	32	1,812	101	106	31	27	17
New Mexico	11	391	28	4	58	11	87
New York	95	6,470	384	754	203	55	16
North Carolina	46	1,882	52	98	30	15	25
North Dakota	4	313	12	1	1	1	9
Ohio	56	4,264	258	226	13	16	6
Oklahoma	25	769	59	38	3	10	46
Oregon	15	693	67	2	4	16	5
Pennsylvania	89	5,309	236	143	46	28	3
Rhode Island	4	363	15	7	—	4	—
South Carolina	16	805	30	61	1	1	3
South Dakota	7	392	18	—	—	1	7
Tennessee	30	1,771	125	155	9	15	17
Texas	54	3,150	402	339	443	63	25
Utah	4	457	31	2	5	6	1
Vermont	5	212	8	—	—	2	—
Virginia	32	1,692	67	128	18	25	1
Washington	21	1,280	78	11	13	41	18
West Virginia	18	927	58	8	4	5	3
Wisconsin	26	1,932	78	36	21	8	2
Wyoming	4	126	5	—	—	—	—
American Samoa	1	—	—	—	—	—	—
Guam	—	—	—	—	—	—	—
Puerto Rico	15	1,103	733	3	572	—	—
Virgin Islands	2	19	2	9	1	—	—

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Figures represent only those programs responding to this section of the questionnaire.

Table 52

GRADUATIONS OF MEN AND MINORITY STUDENTS FROM BACCALAUREATE PROGRAMS, BY NLN REGION AND STATE: 1985-86[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL BACCALAUREATE GRADUATIONS[2]	NUMBER OF GRADUATIONS				
			Males	Blacks	Hispanic	Asian	American Indian
United States	**382**	**26,823**	**1,146**	**1,452**	**614**	**355**	**172**
North Atlantic	87	6,537	197	399	90	41	28
Midwestern	109	8,069	326	289	198	79	29
Southern	139	8,507	448	725	214	95	58
Western	47	3,710	175	39	112	140	57
Alabama	11	879	47	109	2	4	4
Alaska	1	50	2	—	2	—	1
Arizona	4	312	6	—	9	8	4
Arkansas	7	232	12	14	—	4	—
California	19	1,464	42	30	65	81	33
Colorado	4	207	13	—	4	4	3
Connecticut	6	332	10	8	3	1	1
Delaware	1	10	—	3	—	—	—
District of Columbia	4	318	9	66	4	15	—
Florida	9	649	25	35	38	13	1
Georgia	12	529	30	51	4	1	—
Hawaii	1	125	1	—	1	9	1
Idaho	1	34	2	—	—	1	—
Illinois	19	1,299	31	153	128	28	4
Indiana	11	956	35	22	22	6	—
Iowa	10	489	29	5	3	6	—
Kansas	8	337	14	10	6	2	4
Kentucky	7	437	11	13	1	—	—
Louisiana	12	462	49	127	11	12	9
Maine	3	187	14	—	—	—	—
Maryland	6	504	26	23	3	12	—
Massachusetts	9	689	15	9	5	4	—
Michigan	11	1,079	28	30	8	8	5
Minnesota	10	592	26	11	4	3	2
Mississippi	7	423	16	44	1	2	—
Missouri	8	449	24	11	7	8	—
Montana	1	150	13	—	1	1	3
Nebraska	4	215	3	3	1	3	—
Nevada	1	48	3	—	—	—	—
New Hampshire	3	147	—	—	—	—	—
New Jersey	3	249	31	7	6	1	17
New Mexico	1	111	10	—	19	—	—
New York	26	2,171	43	233	62	13	8
North Carolina	12	802	29	58	5	5	8
North Dakota	4	207	12	1	1	1	9
Ohio	12	1,260	68	38	2	8	3
Oklahoma	11	383	18	24	2	4	17
Oregon	4	326	40	2	3	11	1
Pennsylvania	27	2,114	59	70	10	6	2
Rhode Island	2	245	12	3	—	1	—
South Carolina	5	377	8	21	—	1	—
South Dakota	2	146	7	—	—	—	2
Tennessee	9	488	42	43	4	7	9
Texas	16	1,393	103	115	135	19	7
Utah	3	252	11	—	5	4	1
Vermont	1	75	4	—	—	—	—
Virginia	9	692	19	48	5	9	—
Washington	6	562	32	7	3	21	10
West Virginia	6	257	13	—	3	2	3
Wisconsin	10	1,040	49	5	16	6	—
Wyoming	1	69	—	—	—	—	—
American Samoa	—	—	—	—	—	—	—
Guam	—	—	—	—	—	—	—
Puerto Rico	9	806	633	3	275	—	—
Virgin Islands	1	10	2	1	—	—	—

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Figures represent only those programs responding to this section of the questionnaire.

Table 53

GRADUATIONS OF MEN AND MINORITY STUDENTS FROM ASSOCIATE DEGREE PROGRAMS, BY NLN REGION AND STATE: 1985-86[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL ASSOCIATE DEGREE GRADUATIONS[2]	NUMBER OF GRADUATIONS				
			Males	Blacks	Hispanic	Asian	American Indian
United States	**643**	**34,122**	**2,326**	**2,364**	**1,871**	**462**	**254**
North Atlantic	142	7,653	549	658	163	76	8
Midwestern	168	9,231	523	490	59	36	49
Southern	218	11,419	871	899	507	102	87
Western	115	5,819	383	317	342	248	110
Alabama	17	824	47	87	74	12	2
Alaska	1	23		1	–	1	–
Arizona	10	501	22	5	28	4	4
Arkansas	10	439	69	19	7	2	8
California	50	3,048	206	293	251	191	7
Colorado	4	174	11	1	5	0	–
Connecticut	5	230	22	60	10	1	–
Delaware	3	133	5	6	1	–	–
District of Columbia	–	–	–	–	–	–	–
Florida	19	1,881	103	138	76	8	0
Georgia	16	687	39	61	1	2	2
Hawaii	2	85	10	–	–	11	–
Idaho	5	218	14	3	2	–	–
Illinois	25	1,386	58	136	13	12	4
Indiana	16	938	35	48	16	2	–
Iowa	15	641	21	3	2	2	4
Kansas	15	403	18	11	4	2	8
Kentucky	17	695	27	17	1	1	1
Louisiana	6	344	24	35	2	1	–
Maine	7	146	10	–	–	–	–
Maryland	10	588	7	30	4	2	–
Massachusetts	17	852	51	22	9	3	1
Michigan	26	1,476	139	61	6	6	7
Minnesota	11	816	70	4	2	4	16
Mississippi	10	500	37	61	8	–	
Missouri	17	664	36	44	1	1	–
Montana	1	61	–	–	5	1	–
Nebraska	1	65	2	1	1	1	1
Nevada	2	82	3	4	1	2	–
New Hampshire	3	120	4	–	–	–	–
New Jersey	12	885	46	30	13	10	–
New Mexico	10	280	18	4	39	11	87
New York	52	3,670	313	498	112	38	7
North Carolina	30	898	22	33	16	7	17
North Dakota	–	–	–	–	–	–	–
Ohio	24	1,888	113	157	10	5	3
Oklahoma	14	386	41	14	1	6	29
Oregon	11	367	27	–	1	5	4
Pennsylvania	21	1,396	94	40	18	19	–
Rhode Island	1	84	–	2	–	3	–
South Carolina	10	416	22	38	1	–	3
South Dakota	4	202	7	–	–	–	4
Tennessee	16	824	63	84	5	6	7
Texas	36	1,648	293	216	301	39	18
Utah	1	205	20	2	–	2	–
Vermont	4	137	4	–	–	2	–
Virginia	14	721	45	58	10	13	–
Washington	15	718	46	4	10	20	8
West Virginia	10	568	35	8	–	3	–
Wisconsin	14	752	24	25	4	1	2
Wyoming	3	57	5	–	–	–	–
American Samoa	1	–	–	–	–	–	–
Guam	–	–	–	–	–	–	–
Puerto Rico	6	297	100	0	297	–	–
Virgin Islands	1	9	–	8	1	–	–

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.
[2] Figures represent only those programs responding to this section of the questionnaire.

Table 54

GRADUATIONS OF MEN AND MINORITY STUDENTS FROM DIPLOMA PROGRAMS, BY NLN REGION AND STATE: 1985-86[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL DIPLOMA GRADUATIONS[2]	NUMBER OF GRADUATIONS				
			Males	Blacks	Hispanic	Asian	American Indian
United States	**203**	**10,021**	**444**	**417**	**169**	**82**	**7**
North Atlantic	96	3,962	163	137	63	28	2
Midwestern	68	3,945	196	130	13	26	2
Southern	37	1,1887	70	137	63	16	3
Western	2	227	15	13	30	12	0
Alabama	2	110	3	5	0	0	0
Alaska	—	—	—	—	—	—	—
Arizona	—	—	—	—	—	—	—
Arkansas	1	26	2	2	0	0	0
California	1	202	13	13	30	12	0
Colorado	1	25	2	0	0	0	0
Connecticut	5	244	5	6	2	0	0
Delaware	—	—	—	—	—	—	—
District of Columbia	—	—	—	—	—	—	—
Florida	1	110	8	15	37	0	0
Georgia	2	141	0	8	4	0	0
Hawaii	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—
Illinois	14	759	21	15	4	13	0
Indiana	6	253	6	0	3	2	0
Iowa	7	286	11	0	0	0	0
Kansas	2	93	4	0	0	1	0
Kentucky	—	—	—	—	—	—	—
Louisiana	4	218	14	32	2	3	1
Maine	1	47	0	0	0	0	0
Maryland	4	139	3	8	0	0	0
Massachusetts	13	508	17	4	2	5	0
Michigan	3	254	14	6	0	1	1
Minnesota	—	92	—	—	—	—	—
Mississippi	—	—	—	—	—	—	—
Missouri	8	524	40	70	3	3	0
Montana	—	—	—	—	—	—	—
Nebraska	5	278	14	2	1	1	0
Nevada	—	—	—	—	—	—	—
New Hampshire	1	23	3	0	0	0	0
New Jersey	17	678	24	69	12	16	0
New Mexico	—	—	—	—	—	—	—
New York	17	629	28	23	29	4	1
North Carolina	4	182	1	7	9	3	0
North Dakota	—	106	—	—	—	—	—
Ohio	20	1,116	77	31	1	3	0
Oklahoma	—	—	—	—	—	—	—
Oregon	—	—	—	—	—	—	—
Pennsylvania	41	1,799	83	33	18	3	1
Rhode Island	1	34	3	2	0	0	0
South Carolina	1	12	0	2	0	0	0
South Dakota	1	44	4	0	0	1	1
Tennessee	5	459	20	28	0	2	1
Texas	2	109	6	8	7	5	0
Utah	—	—	—	—	—	—	—
Vermont	—	—	—	—	—	—	—
Virginia	9	279	3	22	3	3	1
Washington	—	—	—	—	—	—	—
West Virginia	2	102	10	0	1	0	0
Wisconsin	2	140	5	6	1	1	0
Wyoming	—	—	—	—	—	—	—
American Samoa	—	—	—	—	—	—	—
Guam	—	—	—	—	—	—	—
Puerto Rico	—	—	—	—	—	—	—
Virgin Islands	—	—	—	—	—	—	—

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Figures represent only those programs responding to this section of the questionnaire.

Table 55

TRENDS IN GRADUATIONS OF MEN AND MINORITY STUDENTS IN BASIC RN PROGRAMS, 1978 TO 1986[1]

YEAR	NUMBER OF PROGRAMS REPORTING	MEN		BLACKS		HISPANIC		ASIAN		AMERICAN INDIAN	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
ALL REPORTING RN PROGRAMS											
1978	1,202	3,862	5.5	3,277	4.7	1,088	1.6	865	1.2	*	*
1981	1,276	3,482	5.8	3,586	6.0	1,158	2.2	869	1.7	*	*
1984	1,348	4,286	5.8	3,822	5.2	1,511	2.0	1,086	1.5	325	0.4
1985	1,260	3,908	5.7	3,491	5.1	1,638	2.4	829	1.2	534	0.8
1986	1,228	3,916	5.5	4,233	6.0	1,854	2.6	899	1.3	433	0.6
BACCALAUREATE PROGRAMS											
1978	320	1,158	5.0	982	4.3	279	1.2	301	1.3	*	*
1981	333	1,117	5.5	1,079	5.6	372	2.2	373	2.2	*	*
1984	404	1,423	6.2	1,488	6.4	422	1.8	604	2.6	105	0.5
1985	374	1,198	5.6	1,133	5.3	508	2.4	352	1.6	86	0.4
1986	382	1,146	4.3	1,452	5.4	614	2.3	355	1.3	172	0.6
ASSOCIATE DEGREE PROGRAMS											
1978	571	2,048	6.4	1,985	6.2	697	2.2	410	1.3	*	*
1981	654	1,884	6.4	2,121	7.2	648	2.6	429	1.7	*	*
1984	695	2,325	5.7	1,854	4.9	926	2.3	394	1.0	216	0.5
1985	643	2,201	6.1	1,975	5.5	962	2.6	396	1.1	411	1.1
1986	643	2,326	6.8	2,364	6.9	1,071	3.1	462	1.4	254	0.7
DIPLOMA PROGRAMS											
1978	311	655	4.4	320	2.2	112	0.8	413	2.8	*	*
1981	289	491	4.4	386	3.5	138	1.5	67	0.7	*	*
1984	249	538	4.8	380	3.4	163	1.4	88	0.8	4	0.0
1985	243	509	4.5	383	3.4	167	1.5	81	0.7	38	0.3
1986	203	444	4.4	417	4.2	169	1.7	82	0.8	7	0.1

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

* "American Indian/Oriental" was one category before 1984.

Higher Degree Nursing Education

DOCTORAL PROGRAMS IN NURSING

Doctoral Programs in Nursing (Tables 56-58)

- The number of doctoral nursing programs in 1986 grew to 38, with the programs distributed among 25 states. Five new programs opened since 1985—four in the South and one in the Midwest (see Table 56).

- The number of doctoral nursing programs grew from 5 in 1967 to the current 38—a 660 percent increase over 20 years. In the last decade, there was an increase of 21 doctoral programs, and in the five-year period from 1982 to 1986, 13 new doctoral programs were opened (see Table 57).

- The number of enrollments in doctoral nursing programs increased 9 percent since 1985 (see Table 57).

- The number of enrollments in doctoral nursing programs registered at 1,949 in 1986—an increase of 220 percent over the past decade. Between 1982 and 1986 the number of enrollments increased 45 percent (see Table 57).

- The proportion of full-time doctoral students took a small swing upward after a steady decline since 1980 (see Table 57).

- The North Atlantic and South have the largest groups of doctoral students enrolled—each having 31 percent of the total. Doctoral students in the Midwest constitute 22 percent of total doctoral enrollment; and the West, 15.6 percent (see Table 58).

- The North Atlantic reported close to a 9 percent decline in doctoral enrollments. All the other regions reported significant increases: South, + 30 percent, West, + 13 percent, and Midwest, 10 percent (see Table 58).

Table 56

DOCTORAL PROGRAMS IN NURSING LOCATED IN NURSING EDUCATION DEPARTMENTS: 1977 TO 1986[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS									
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
United States	**16**	**21**	**22**	**22**	**23**	**25**	**27**	**31**	**33**	**38**
North Atlantic	5	7	7	7	8	8	8	9	10	10
Midwest	5	6	6	6	6	7	9	10	10	11
South	3	3	4	4	4	5	5	6	6	10
West	3	5	5	5	5	5	5	6	7	7
Alabama	1	1	1	1	1	1	1	1	1	1
Alaska	0	0	0	0	0	0	0	0	0	0
Arizona	1	1	1	1	1	1	1	1	1	1
Arkansas	0	0	0	0	0	0	0	0	0	0
California	1	1	1	1	1	1	1	2	2	2
Colorado	1	1	1	1	1	1	1	1	1	1
Connecticut	0	0	0	0	0	0	0	0	0	0
Delaware	0	0	0	0	0	0	0	0	0	0
District of Columbia	1	1	1	1	1	1	1	1	1	1
Florida	0	0	0	0	0	0	0	1	1	2
Georgia	0	0	0	0	0	0	0	0	0	1
Hawaii	0	0	0	0	0	0	0	0	0	0
Idaho	0	0	0	0	0	0	0	0	0	0
Illinois	2	2	2	2	2	2	2	2	2	2
Indiana	0	1	1	1	1	1	1	1	1	1
Iowa	0	0	0	0	0	0	0	0	0	0
Kansas	0	0	0	0	0	0	1	1	1	1
Kentucky	0	0	0	0	0	0	0	0	0	0
Louisiana	0	0	0	0	0	0	0	0	0	1
Maine	0	0	0	0	0	0	0	0	0	0
Maryland	0	0	1	1	1	1	1	1	1	1
Massachusetts	1	1	1	1	1	1	1	1	1	1
Michigan	2	2	2	2	2	2	2	2	2	2
Minnesota	0	0	0	0	0	0	1	1	1	1
Mississippi	0	0	0	0	0	0	0	0	0	0
Missouri	0	0	0	0	0	0	0	0	0	0
Montana	0	0	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0	0	0	0
Nevada	0	0	0	0	0	0	0	0	0	0
New Hampshire	0	0	0	0	0	0	0	0	0	0
New Jersey	0	0	0	0	0	0	0	0	0	0
New Mexico	0	0	0	0	0	0	0	0	0	0
New York	2	3	3	3	4	4	4	4	4	4
North Carolina	0	0	0	0	0	0	0	0	0	0
North Dakota	0	0	0	0	0	0	0	0	0	0
Ohio	1	1	1	1	1	1	1	1	1	2
Oklahoma	0	0	0	0	0	0	0	0	0	0
Oregon	0	0	0	0	0	0	0	0	1	1
Pennsylvania	1	2	2	2	2	2	2	3	3	3
Rhode Island	0	0	0	0	0	0	0	0	1	1
South Carolina	0	0	0	0	0	0	0	0	0	0
South Dakota	0	0	0	0	0	0	0	0	0	0
Tennessee	0	0	0	0	0	0	0	0	0	0
Texas	2	2	2	2	2	2	2	2	2	2
Utah	1	1	1	1	1	1	1	1	1	1
Vermont	0	0	0	0	0	0	0	0	0	0
Virginia	0	0	0	0	0	1	1	1	1	2
Washington	0	1	1	1	1	1	1	1	1	1
West Virginia	0	0	0	0	0	0	0	0	0	0
Wisconsin	0	0	0	0	0	1	1	2	2	2
Wyoming	0	0	0	0	0	0	0	0	0	0
American Samoa	0	0	0	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0	0	0	0
Puerto Rico	0	0	0	0	0	0	0	0	0	0
Virgin Islands	0	0	0	0	0	0	0	0	0	0

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 57

ENROLLMENTS AND PERCENTAGE CHANGE FROM PREVIOUS YEAR OF NURSES IN DOCTORAL PROGRAMS LOCATED IN NURSING EDUCATION DEPARTMENTS: 1967 TO 1986[1]

ACADEMIC YEAR	NUMBER OF PROGRAMS	ENROLLMENTS					
		Total		Full-Time		Part-Time	
		Number	Percent Change	Number	Percent	Number	Percent
1967	5	209	+10.6	105	50.2	104	49.8
1968	6	258	+23.4	103	39.9	155	60.1
1969	6	286	+10.9	170	59.4	116	40.6
1970	6	312	+9.1	120	38.5	192	61.5
1971	6	293	−6.1	151	51.5	142	48.5
1972	8	402	+37.2	180	44.8	222	55.2
1973	8	375	−6.7	161	42.9	214	57.1
1974	9	482	+28.5	192	39.8	290	60.2
1975	12	506	+5.0	199	39.3	307	60.7
1976	14	632	+24.9	278	44.0	354	56.0
1977	16	790	+25.0	294	37.2	496	62.8
1978	21	789	−0.1	358	45.4	431	54.6
1979	22	980	+24.2	504	51.4	476	48.6
1980	22	1,019	+4.0	603	59.2	416	40.8
1981	23	1,163	+14.1	625	53.7	538	46.3
1982	25	1,342	+15.4	655	48.8	687	51.2
1983	27	1,495	+11.4	685	45.8	810	54.2
1984	31	1,696	+13.4	758	44.7	938	55.3
1985	33	1,788	+5.4	685	38.3	1,103	61.7
1986	38	1,949	+9.0	782	40.0	1,167	60.0

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[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 58

ENROLLMENTS OF REGISTERED NURSES IN DOCTORAL PROGRAMS LOCATED IN NURSING EDUCATION DEPARTMENTS: 1977 TO 1986[1]

NLN REGION AND STATE	NUMBER OF ENROLLMENTS									
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
United States	**790**	**789**	**980**	**1,019**	**1,163**	**1,342**	**1,495**	**1,696**	**1,788**	**1,949**
North Atlantic	545	441	524	452	450	518	576	643	662	603
Midwest	80	127	170	209	251	275	278	336	384	426
South	120	145	172	212	271	329	409	470	465	607
West	45	76	114	146	191	220	232	247	277	313
Alabama	31	45	49	49	53	60	64	65	71	83
Alaska	0	0	0	0	0	0	0	0	0	0
Arizona	7	10	16	19	20	23	28	34	28	41
Arkansas	0	0	0	0	0	0	0	0	0	0
California	32	42	53	64	92	106	96	105	125	133
Colorado	0	2	13	20	21	22	23	20	18	32
Connecticut	0	0	0	0	0	0	0	0	0	0
Delaware	0	0	0	0	0	0	0	0	0	0
District of Columbia	69	81	91	74	71	1	68	70	76	71
Florida	0	0	0	0	0	0	0	6	20	44
Georgia	0	0	0	0	0	0	0	0	0	9
Hawaii	0	0	0	0	0	0	0	0	0	0
Idaho	0	0	0	0	0	0	0	0	0	0
Illinois	33	51	65	79	87	79	103	90	137	152
Indiana	0	10	26	40	67	73	51	50	57	58
Iowa	0	0	0	0	0	0	0	0	0	0
Kansas	0	0	0	0	0	0	7	12	19	23
Kentucky	0	0	0	0	0	0	0	0	0	0
Louisiana	0	0	0	0	0	0	0	0	0	17
Maine	0	0	0	0	0	0	0	0	0	0
Maryland	0	0	7	[illegible]	25	37	44	49	45	59
Massachusetts	40	38	49	49	62	58	54	59	52	44
Michigan	33	48	59	65	71	84	65	109	78	79
Minnesota	0	0	0	0	0	0	3	7	16	16
Mississippi	0	0	0	0	0	0	0	0	0	0
Missouri	0	0	0	0	0	0	0	0	0	0
Montana	0	0	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0	0	0	0
Nevada	0	0	0	0	0	0	0	0	0	0
New Hampshire	0	0	0	0	0	0	0	0	0	0
New Jersey	0	0	0	0	0	0	0	0	0	0
New Mexico	0	0	0	0	0	0	0	0	0	0
New York	391	285	336	274	249	313	363	393	387	329
North Carolina	0	0	0	0	0	0	0	0	0	0
North Dakota	0	0	0	0	0	0	0	0	0	0
Ohio	14	18	20	25	25	38	47	58	64	76
Oklahoma	0	0	0	0	0	0	0	0	0	0
Oregon	0	0	0	0	0	0	0	0	0	18
Pennsylvania	25	37	48	55	68	76	91	121	142	148
Rhode Island	0	0	0	0	0	0	0	0	5	11
South Carolina	0	0	0	0	0	0	0	0	0	0
South Dakota	0	0	0	0	0	0	0	0	0	0
Tennessee	0	0	0	0	0	0	0	0	0	0
Texas	89	100	116	147	193	224	289	338	303	345
Utah	6	14	16	19	29	35	47	48	56	51
Vermont	0	0	0	0	0	0	0	0	0	0
Virginia	0	0	0	0	0	8	12	12	26	50
Washington	0	8	16	24	29	34	38	40	40	38
West Virginia	0	0	0	0	0	0	0	0	0	0
Wisconsin	0	0	0	0	1	1	2	10	10	22
Wyoming	0	0	0	0	0	0	0	0	0	0
American Samoa	0	0	0	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0	0	0	0
Puerto Rico	0	0	0	0	0	0	0	0	0	0
Virgin Islands	0	0	0	0	0	0	0	0	0	0

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Graduations from Doctoral Nursing Programs (Table 59)

- In 1985-86, 249 students graduated from doctoral nursing programs. This figure represents a 25.8 percent increase over the previous year.

- A decade ago, only 59 doctoral graduates were reported. The increase over the ten-year period amounts to 322 percent. In the last five years, the number of graduates from doctoral programs grew 82 percent.

- The South had the largest proportion of doctoral graduates, with over 31 percent of the total. The North Atlantic followed, with 30 percent, while the Midwest reported 21 percent and the West, 18 percent of all doctoral graduations.

- A total of 1,365 doctorates in nursing were granted within the last ten years.

- The West reported a 38% increase in the number of doctoral graduates over the previous year. The number of doctoral graduates rose 20 percent in the South and 15 percent in the Midwest. The North Atlantic reported a 34 percent increase in doctoral graduates after last year's decrease.

Table 59

GRADUATIONS OF REGISTERED NURSES FROM DOCTORAL PROGRAMS LOCATED IN NURSING EDUCATION DEPARTMENTS: 1976-77 TO 1985-86[1]

NLN REGION AND STATE	NUMBER OF GRADUATIONS									
	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86
United States	**59**	**53**	**101**	**125**	**121**	**137**	**139**	**183**	**198**	**249**
North Atlantic	44	36	69	85	62	59	45	67	56	75
Midwest	0	5	6	13	22	37	33	36	45	52
South	7	7	17	19	23	23	36	60	65	78
West	8	5	9	8	14	18	25	20	32	44
Alabama	0	0	2	10	8	8	12	16	13	11
Alaska	0	0	0	0	0	0	0	0	0	0
Arizona	0	0	1	1	3	3	2	5	3	7
Arkansas	0	0	0	0	0	0	0	0	0	0
California	8	5	8	7	9	6	9	10	21	16
Colorado	0	0	0	0	0	2	7	4	2	4
Connecticut	0	0	0	0	0	0	0	0	0	0
Delaware	0	0	0	0	0	0	0	0	0	0
District of Columbia	5	5	6	14	9	7	5	9	8	13
Florida	0	0	0	0	0	0	0	0	0	0
Georgia	0	0	0	0	0	0	0	0	0	0
Hawaii	0	0	0	0	0	0	0	0	0	0
Idaho	0	0	0	0	0	0	0	0	0	0
Illinois	0	1	1	6	8	14	11	12	20	18
Indiana	0	0	0	0	3	12	5	10	6	10
Iowa	0	0	0	0	0	0	0	0	0	0
Kansas	0	0	0	0	0	0	0	0	0	1
Kentucky	0	0	0	0	0	0	0	0	0	0
Louisiana	0	0	0	0	0	0	0	0	0	0
Maine	0	0	0	0	0	0	0	0	0	0
Maryland	0	0	0	0	0	0	0	2	5	5
Massachusetts	1	1	6	3	2	8	5	8	4	7
Michigan	0	3	4	4	8	8	13	8	13	13
Minnesota	0	0	0	0	0	0	0	0	0	0
Mississippi	0	0	0	0	0	0	0	0	0	0
Missouri	0	0	0	0	0	0	0	0	0	0
Montana	0	0	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0	0	0	0
Nevada	0	0	0	0	0	0	0	0	0	0
New Hampshire	0	0	0	0	0	0	0	0	0	0
New Jersey	0	0	0	0	0	0	0	0	0	0
New Mexico	0	0	0	0	0	0	0	0	0	0
New York	35	27	51	61	47	38	27	44	36	46
North Carolina	0	0	0	0	0	0	0	0	0	0
North Dakota	0	0	0	0	0	0	0	0	0	0
Ohio	0	1	1	3	3	3	4	6	6	10
Oklahoma	0	0	0	0	0	0	0	0	0	0
Oregon	0	0	0	0	0	0	0	0	0	0
Pennsylvania	3	3	6	7	4	6	8	6	8	9
Rhode Island	0	0	0	0	0	0	0	0	0	0
South Carolina	0	0	0	0	0	0	0	0	0	0
South Dakota	0	0	0	0	0	0	0	0	0	0
Tennessee	0	0	0	0	0	0	0	0	0	0
Texas	7	7	15	9	15	15	24	39	46	61
Utah	0	0	0	0	2	5	4	1	3	8
Vermont	0	0	0	0	0	0	0	0	0	0
Virginia	0	0	0	0	0	0	0	0	0	1
Washington	0	0	0	0	0	2	3	3	1	9
West Virginia	0	0	0	0	0	0	0	0	0	0
Wisconsin	0	0	0	0	0	0	0	0	0	0
Wyoming	0	0	0	0	0	0	0	0	0	0
American Samoa	0	0	0	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0	0	0	0
Puerto Rico	0	0	0	0	0	0	0	0	0	0
Virgin Islands	0	0	0	0	0	0	0	0	0	0

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Master's Programs in Nursing (Table 60)

- The number of master's programs in nursing totaled 189 in 1986—an increase of 22 programs (13%) since 1985. The number of master's programs increased 25 percent since 1982 and grew 69 percent in the last decade.

- The South reported the largest proportion of master's programs—30 percent of the total. The Midwest reported 28 percent of the master's programs; the North Atlantic, 25 percent; and the West, 17 percent.

Table 60
MASTER'S PROGRAMS IN NURSING, BY NLN REGION AND STATE: 1977 TO 1986[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS									
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
United States	**112**	**117**	**125**	**135**	**140**	**151**	**154**	**166**	**167**	**189**
North Atlantic	26	29	29	32	34	37	37	42	42	48
Midwest	31	31	32	34	37	40	40	44	44	52
South	38	38	44	46	46	50	51	54	54	56
West	17	19	20	23	23	24	26	26	27	33
Alabama	1	1	1	2	2	3	3	4	4	4
Alaska	—	—	—	—	1	1	1	1	1	1
Arizona	2	2	2	2	2	2	2	2	2	2
Arkansas	2	2	2	2	2	2	2	2	2	2
California	8	8	8	8	8	9	9	11	11	16
Colorado	1	1	1	2	2	2	2	1	1	2
Connecticut	2	2	2	2	2	2	2	3	3	5
Delaware	1	1	1	1	1	1	1	1	1	1
District of Columbia	1	1	1	3	3	3	3	3	3	3
Florida	2	2	2	3	3	3	3	4	4	5
Georgia	3	3	3	3	3	3	3	4	4	4
Hawaii	1	1	1	1	1	1	1	1	1	1
Idaho	—	—	1	1	1	1	1	1	1	1
Illinois	7	7	7	7	7	7	7	8	8	10
Indiana	3	3	3	3	3	4	4	4	4	6
Iowa	1	1	1	1	1	1	1	1	1	2
Kansas	2	2	2	2	2	2	2	2	2	2
Kentucky	1	1	1	1	1	2	2	3	3	4
Louisiana	3	3	3	3	3	3	3	2	2	2
Maine	—	—	—	—	—	1	1	1	1	1
Maryland	1	1	1	1	1	2	2	2	2	2
Massachusetts	4	5	5	4	4	6	6	6	6	6
Michigan	3	3	3	3	4	5	5	6	6	9
Minnesota	2	2	2	2	2	2	2	3	3	3
Mississippi	3	3	3	3	3	3	3	3	3	3
Missouri	3	3	3	3	3	3	3	3	3	3
Montana	1	1	1	1	1	1	1	1	1	1
Nebraska	1	1	1	1	2	2	2	2	2	2
Nevada	—	1	1	1	1	1	1	1	1	2
New Hampshire	—	—	—	—	—	—	—	—	—	1
New Jersey	2	2	2	2	2	2	2	2	2	2
New Mexico	—	—	—	1	1	1	1	1	1	1
New York	11	13	13	13	13	13	14	15	16	17
North Carolina	5	5	5	5	5	6	6	6	6	6
North Dakota	—	—	—	—	—	1	1	2	2	2
Ohio	4	5	6	7	7	7	7	7	7	7
Oklahoma	1	1	2	2	2	2	2	2	2	2
Oregon	2	2	2	2	2	2	2	2	2	2
Pennsylvania	4	4	5	6	7	7	7	9	9	11
Rhode Island	1	1	1	1	1	1	1	1	1	1
South Carolina	2	2	3	3	3	3	3	3	3	3
South Dakota	—	—	—	1	1	1	1	1	1	1
Tennessee	3	3	3	3	3	3	3	3	3	3
Texas	7	8	9	9	9	9	9	9	9	9
Utah	2	2	2	2	2	2	2	2	2	2
Vermont	—	—	—	—	—	—	—	—	—	—
Virginia	2	2	4	5	5	5	6	6	6	6
Washington	1	1	1	1	1	1	2	2	2	2
West Virginia	1	1	1	1	1	1	1	1	1	1
Wisconsin	4	4	4	4	5	5	5	5	5	5
Wyoming	—	—	—	1	1	1	1	1	1	1
American Samoa	—	—	—	—	—	—	—	—	—	—
Guam	—	—	—	—	—	—	—	—	—	—
Puerto Rico	2	2	2	2	2	2	2	2	2	1
Virgin Islands	—	—	—	—	—	—	—	—	—	—

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Enrollments of Nurses in Master's Programs (Tables 61-63)

- Enrollments in master's nursing programs continue to rise and now stand at 19,958. This 3.3 percent increase over the previous year suggests that the rate of growth in master's programs enrollments is stablizing.

- In the last five years, enrollments in master's programs increased from 17,004 to 19,958—a 17.4 percent increase. In view of the increased demand for clinical specialists, administrators, and researchers, these increases are encouraging.

- The percentage of master's programs accredited by NLN dropped to 75 percent in 1986 (see Table 61). This is due to the large increase in new programs.

- The proportion of full-time enrollments in master's programs continues to decline. All regions but the West report continued declines in the percentage of full-time students. The West, however, reported an increase of 3.7 percent in the number of full-time master's students (see Table 62).

- The trend toward part-time enrollment is evidenced by the continuing drop in the percentage of full-time students. In 1967, almost 80 percent of master's students were enrolled full time; by 1977, the figure had dropped to 50 percent. By 1982, there were 37 percent full-time students, and the percentage continues to decline (see Table 62).

- The West reported a 9.4 percent increase in the number of master's enrollments, and the South registered an increase of almost 5 percent. The Midwest registered an increase of 1.4 percent while the North Atlantic reported a small increase (0.7%) in enrollments (see Table 62).

- A regional breakdown of enrollments in master's programs indicated that the North Atlantic represents 30 percent of the total, the Midwest and South with 28 percent each and the West has 15 percent of the master's enrollments (Table 63).

Table 61

ENROLLMENTS OF NURSES IN MASTER'S PROGRAMS AND PERCENTAGE IN NLN-ACCREDITED PROGRAMS: 1967 TO 1986[1]

ACADEMIC YEAR	PROGRAMS		ENROLLMENTS					
			Total		Full-Time		Part-Time	
	Number	Percent Accredited	Number	Percent Accredited	Number	Percent Accredited	Number	Percent Accredited
1967	61	75.4	3,531	91.8	2,752	94.1	779	83.3
1968	66	74.2	4,018	92.7	3,034	94.1	984	88.2
1969	70	71.4	4,443	89.4	3,346	91.8	1,097	81.8
1970	73	72.6	4,765	87.5	3,529	92.9	1,236	72.1
1971	79	72.2	5,405	89.3	3,925	93.0	1,480	79.6
1972	86	67.4	6,342	88.4	4,324	92.6	2,018	79.2
1973	86	74.4	6,786	89.0	4,159	95.0	2,627	79.6
1974	88	69.6	7,924	86.7	4,462	90.7	3,462	81.4
1975	99	69.0	9,662	90.6	5,402	93.4	4,260	87.1
1976	103	67.9	10,809	88.4	5,924	92.5	4,885	83.4
1977	112†	66.4	12,143	86.8	6,112	92.5	6,031	81.0
1978	117	68.1	13,105	87.0	6,561	91.5	6,544	82.5
1979	125	72.4	14,130	87.8	6,891	91.8	7,239	83.9
1980	135	66.4	15,053	86.3	7,306	89.0	7,747	83.7
1981	140	65.5	16,125	85.2	7,000	87.3	9,125	83.6
1982	151	78.1	17,085	91.1	6,389	96.0	10,696	88.2
1983	154	77.5	18,112	87.6	6,478	89.6	11,634	86.3
1984	166	82.7	18,822	95.1	6,587	93.0	12,235	97.3
1985	167	83.1	19,315	93.3	6,057	98.1	13,258	91.2
1986	189	74.6	19,958	87.3	5,664	94.6	14,294	82.3

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

† One school shown in the total number of programs reported no enrollments for 1977.

Table 62

ENROLLMENTS OF NURSES IN MASTER'S PROGRAMS, PERCENTAGE CHANGE FROM PREVIOUS YEAR, AND PERCENTAGE ENROLLED FULL TIME, BY NLN REGION: 1967 TO 1986[1]

YEAR	ALL REGIONS				NORTH ATLANTIC				MIDWESTERN				SOUTHERN				WESTERN			
	Number of Programs	Enrollments			Number of Programs	Enrollments			Number of Programs	Enrollments			Number of Programs	Enrollments			Number of Programs	Enrollments		
		Number	Percent Change	Percent Full Time		Number	Percent Change	Percent Full Time		Number	Percent Change	Percent Full Time		Number	Percent Change	Percent Full Time		Number	Percent Change	Percent Full Time
1967	61	3,531	+1.2	77.9	19	1,633	+2.6	68.7	20	822	+6.2	87.5	12	434	−1.6	82.7	10	642	−5.7	86.0
1968	66	4,018	+13.8	75.5	20	1,817	+11.3	69.5	21	921	+12.0	82.7	14	569	+31.1	73.5	11	711	+10.7	83.1
1969	70	4,443	+10.6	75.3	20	1,957	+7.7	71.0	21	976	+6.0	78.7	15	694	+22.0	77.1	14	816	+14.8	80.0
1970	73	4,765	+7.2	74.1	21	1,850	−5.5	72.1	21	1,020	+4.5	79.4	16	829	+19.5	74.4	15	1,066	+30.6	72.1
1971	79	5,405	+13.4	72.6	23	2,021	+9.2	70.6	23	1,257	+23.2	75.2	18	975	+17.6	71.8	15	1,152	+8.1	74.0
1972	86	6,342	+17.3	68.2	24	2,238	+10.7	70.2	25	1,417	+12.7	71.5	21	1,179	+20.9	66.7	16	1,508	+30.9	63.3
1973	86	6,786	+7.0	61.3	21	2,689	+20.2	57.7	26	1,583	+11.7	62.9	23	1,244	+5.5	56.4	16	1,270	−15.8	71.7
1974	92	7,924	+16.8	56.3	21	2,689	0.0	52.5	28	1,961	+23.9	58.2	24	1,834	+47.4	51.4	19	1,440	+13.4	67.2
1975	100	9,662	+21.9	55.9	24	3,337	+24.1	51.5	28	2,252	+14.8	54.6	29	2,358	+28.6	52.3	19	1,715	+19.1	71.7
1976	106	10,809	+11.9	54.8	26	3,853	+15.5	50.8	29	2,409	+7.0	55.0	33	2,805	+19.0	51.1	19	1,742	+1.6	69.3
1977	114†	12,143	+12.3	50.3	26	3,994	+3.7	50.4	31†	3,001	+24.6	47.2	40	3,281	+17.0	43.6	17	1,867	+7.2	67.3
1978	119	13,105	+7.9	50.1	29	4,344	+8.8	48.9	31	3,129	+4.3	45.1	40	3,454	+5.3	46.0	19	2,178	+16.7	65.8
1979	127	14,130	+7.8	48.8	29	4,066	−6.4	48.5	32	3,798	+21.3	44.6	46	3,942	+14.1	42.5	20	2,324	+6.7	66.7
1980	137	15,053	+6.5	48.5	32	4,472	+9.9	51.1	34	4,146	+9.2	40.6	48	3,964	+0.6	43.6	23	2,471	+6.3	65.0
1981	142	16,125	+7.1	43.4	34	4,846	+8.4	43.8	37	4,254	+2.6	35.9	48	4,390	+10.7	41.3	23	2,633	+6.6	58.4
1982	151	17,085	+6.3	37.4	37	5,344	+10.2	33.2	40	4,467	+5.0	29.0	52	4,561	+5.2	38.2	24	2,713	+3.0	57.7
1983	154	18,112	+6.5	34.6	37	5,830	+9.1	30.0	40	4,680	+4.8	27.2	51	4,807	+7.3	36.0	26	2,593	−4.4	59.1
1984	166	18,822	+3.9	35.0	42	5,861	+0.5	28.9	44	4,780	+2.1	35.5	54	5,403	+12.4	29.7	26	2,778	+7.1	61.6
1985	167	19,315	+2.6	31.4	42	5,837	−0.4	23.4	44	5,327	+11.4	24.6	54	5,330	−1.4	34.0	27	2,821	+1.5	44.2
1986	189	19,958	+3.3	28.4	46	5,883	+0.7	21.9	52	5,400	+1.4	20.1	56	5,590	+4.9	32.4	33	3,085	+9.4	47.9

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

* A previously unreported program was included.

† One school shown in the total number of programs reported no enrollments for 1977.

Table 63

ENROLLMENTS OF REGISTERED NURSES IN MASTER'S PROGRAMS IN NURSING, BY NLN REGION AND STATE: 1977 TO 1986[1]

NLN REGION AND STATE	NUMBER OF ENROLLMENTS IN MASTER'S PROGRAMS									
	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
United States	**12,084**	**13,087**	**14,096**	**14,994**	**15,993**	**17,004**	**18,112**	**18,822**	**19,315**	**19,958**
North Atlantic	3,994	4,344	4,068	4,472	4,848	5,344	5,830	5,861	5,837	5,883
Midwest	3,001	3,129	3,796	4,146	4,254	4,467	4,680	4,780	5,327	5,400
South	3,222	3,436	3,908	3,905	4,258	4,480	4,807	5,403	5,330	5,590
West	1,867	2,178	2,324	2,471	2,633	2,713	2,593	2,778	2,821	3,0085
Alabama	194	271	311	295	375	367	296	388	356	389
Alaska	–	–	–	–	12	25	12	14	27	18
Arizona	207	224	251	279	299	278	229	236	229	246
Arkansas	56	78	110	111	128	108	115	115	147	154
California	950	1,080	1,109	1,161	1,233	1,394	1,323	1,460	1,430	1,640
Colorado	179	201	175	171	165	192	164	191	207	200
Connecticut	179	226	218	277	276	289	288	290	394	439
Delaware	37	51	47	77	81	109	89	76	97	87
District of Columbia	394	370	321	340	332	355	348	349	373	328
Florida	48	98	130	177	204	275	381	409	474	497
Georgia	257	266	256	270	276	273	330	351	352	404
Hawaii	51	66	51	50	56	63	63	46	49	55
Idaho	–	–	16	19	26	31	32	20	30	49
Illinois	747	809	874	951	920	914	908	834	779	936
Indiana	375	365	576	571	564	604	501	474	676	519
Iowa	76	72	86	100	95	96	107	111	173	209
Kansas	268	288	303	322	323	354	328	290	321	287
Kentucky	50	75	78	100	109	112	88	144	142	180
Louisiana	106	79	136	190	230	218	257	267	265	235
Maine	–	–	–	–	–	31	51	64	67	78
Maryland	306	354	369	387	402	422	447	430	388	398
Massachusetts	480	486	529	542	590	525	562	655	662	489
Michigan	319	281	447	512	635	642	693	676	783	957
Minnesota	210	259	268	259	223	250	238	238	214	172
Mississippi	90	90	83	61	73	100	104	104	113	115
Missouri	240	208	255	283	263	289	339	393	399	426
Montana	12	18	26	26	23	18	16	13	11	22
Nebraska	98	107	105	97	125	127	141	119	115	120
Nevada	–	–	12	33	28	33	45	39	18	34
New Hampshire	–	–	–	–	–	–	–	–	–	35
New Jersey	224	264	289	313	280	300	349	362	377	276
New Mexico	–	–	–	32	44	42	47	44	51	35
New York	2,055	2,261	2,147	2,189	2,369	2,525	2,804	2,769	2,527	2,803
North Carolina	191	264	295	228	359	359	315	599	360	412
North Dakota	–	–	–	–	–	17	26	122	90	101
Ohio	386	462	543	558	616	749	888	1,007	1,201	1,064
Oklahoma	89	94	107	122	130	152	191	189	150	162
Oregon	98	113	180	137	188	158	158	174	181	173
Pennsylvania	564	643	666	674	851	1,123	1,263	1,231	1,267	1,260
Rhode Island	61	43	51	60	57	62	76	65	73	88
South Carolina	117	159	187	185	183	192	216	220	268	308
South Dakota	–	–	–	49	29	35	66	52	55	78
Tennessee	150	193	201	258	184	216	245	241	325	308
Texas	1,366	1,184	1,109	1,078	1,152	1,081	1,220	1,345	1,343	1,356
Utah	102	166	161	226	248	228	219	185	230	257
Vermont	–	–	–	–	–	–	–	–	–	–
Virginia	156	192	291	409	399	487	505	485	544	582
Washington	283	310	343	333	317	264	265	326	308	304
West Virginia	31	39	45	34	54	118	97	116	103	110
Wisconsin	269	327	348	435	425	417	433	464	521	533
Wyoming	–	–	–	4	6	12	20	30	50	52
American Samoa	–	–	–	–	–	–	–	–	–	–
Guam	–	–	–	–	–	–	–	–	–	–
Puerto Rico	59	18	34	59	132	81	202	151	134	95
Virgin Islands	–	–	–	–	–	–	–	–	–	–

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands

Full-Time Enrollments in Master's Programs, by Functional Area (Table 64)

- While advanced clinical practice continues to attract the largest proportion of full-time students—72.3 percent of the total percentage has declined for two years in a row. (Note: Students enrolled in nurse practitioner programs are included in this category.)

- The percentage of full-time students preparing to teach stands at 9.1 percent of the total in 1986. Full-time enrollments in administration/management increased to 17.2 percent of the total.

Table 64

FULL-TIME ENROLLMENTS OF NURSES IN MASTER'S PROGRAMS, BY FUNCTIONAL AREA OF STUDY: 1977 TO 1986[1]

YEAR	FULL-TIME ENROLLMENTS BY FUNCTIONAL AREA OF STUDY									
	Total Full Time		Teaching		Administration/ Management		Advanced Clinical Practice		Other	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1977	6,112	100.0	1,000	16.4	359	5.8	4,544	74.4	209	3.4
1978	6,561	100.0	882	13.4	501	7.6	4,878	74.4	300	4.4
1979	6,891	100.0	832	12.1	451	6.5	5,203	75.5	405	5.9
1980	7,306	100.0	923	12.6	579	7.9	5,480	75.0	324	4.5
1981	7,000	100.0	732	10.5	596	8.5	5,418	77.4	254	3.6
1982	6,389	100.0	638	9.9	770	12.2	4,863	76.1	118	1.8
1983	6,478	100.0	873	13.5	784	12.1	4,639	71.6	182	2.8
1984	5,706*	100.0*	382	6.7	636	11.1	4,620	81.0	67	1.2
1985	6,057	100.0	485	8.0	806	13.3	4,651	76.8	115	1.9
1986	5,664	100.0	517	9.1	970	17.2	4,097	72.3	80	1.4

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

* Eight programs did not respond to this section of the questionnaire.

Full-Time Enrollments in Master's Programs, by Nursing Content Area (Tables 65 and 65a)

- Of those who plan to be advanced clinical specialists, maternal-child nursing replaced medical-surgical nursing in attracting the largest percentage of full-time enrollments (38.1%) (see Table 65).
- The area of medical-surgical nursing has fallen over the past year and now represents almost 31 percent of full-time enrollments in advanced clinical practice (see Table 65).
- The percentage of full-time students studying psychiatric and mental health nursing has fallen to just under 10 percent of those enrolled in advanced clinical practice. Community health nursing enrollment now stands at about 15 percent—at approximately the early 1980s level (see Table 65).
- Of the 517 full-time enrollments in teaching, 51 percent are specializing in medical-surgical. Both maternal-child and community health have about 14 percent of the full-time teaching enrollments; only 5 percent are prepared to teach in psychiatric-mental health (see Table 65a).

Table 65

FULL-TIME ENROLLMENTS IN ADVANCED CLINICAL PRACTICE BY NURSING CONTENT AREA: 1977 TO 1986[1]

YEAR	FULL-TIME ENROLLMENTS BY NURSING CONTENT AREA											
	TOTAL		MEDICAL-SURGICAL		MATERNAL-CHILD		PSYCHIATRIC-MENTAL HEALTH		COMMUNITY HEALTH		OTHER (nursing service, public policy) or NOT DESIGNATED	
	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total
1977	4,544	100.0	1,287	28.3	876	19.3	971	21.4	377	8.3	1,033	22.7
1978	4,878	100.0	1,430	29.3	984	20.2	946	19.4	382	7.8	1,136	23.3
1979	5,203	100.0	1,891	36.3	1,279	24.6	941	18.1	796	15.3	296	5.7
1980	5,180	100.0	2,020	36.9	1,255	22.9	1,049	19.1	845	15.4	311	5.7
1981	5,418	100.0	1,856	34.3	1,287	23.7	850	15.7	787	14.5	638	11.8
1982	4,863	100.0	1,672	34.4	1,038	21.3	760	15.6	765	15.7	628	13.0
1983	4,639	100.0	1,740	37.5	818	17.6	669	14.4	801	17.3	611	13.2
1984[2]	5,451*	100.0*	1,696	31.1	1,458	26.8	677	12.4	408	7.5	1,212	22.2
1985	4,651	100.0	1,739	37.4	1,260	27.1	567	12.2	744	16.0	341	7.3
1986	4,097	100.0	1,259	30.8	1,562	38.1	402	9.8	611	14.9	263	6.4

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] In 1984, *all* students preparing for a nursing content area were included. Since the overwhelming majority of students are preparing for advanced clinical practice (see Table 64) the 1984 entries still reflect trends in this data.

* Eight programs did not respond to this section of the questionnaire.

Table 65a

FULL-TIME ENROLLMENTS IN TEACHING BY NURSING CONTENT AREA: 1985-86

YEAR	FULL-TIME ENROLLMENTS BY NURSING CONTENT AREA											
	TOTAL		MEDICAL-SURGICAL		MATERNAL-CHILD		PSYCHIATRIC-MENTAL HEALTH		COMMUNITY HEALTH		OTHER (nursing service, public policy) or NOT DESIGNATED	
	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total
1985	485	100.0	236	48.5	101	20.8	46	9.5	53	11.0	49	10.2
1986	517	100.0	264	51.0	73	14.1	25	4.9	73	14.1	82	15.9

Part-Time Enrollments in Master's Programs, by Functional Area of Study (Table 66)

- Despite a dip in the overall percentage, advanced clinical practice continues to attract the largest group of part-time master's students—56 percent of the total. The percentage of part-time students preparing for administration has stabilized since 1985, whereas the percentage preparing to teach jumped to 22 percent.
- The pattern of enrollments in the various functional areas has changed over the past year for both full- and part-time students (see also Table 64). While advanced clinical practice is attracting the largest group, its popularity has waned. Administration/management hold a second place while teaching, particularly among part-timers, is growing in popularity.

Table 66
PART-TIME ENROLLMENTS OF NURSES IN MASTER'S PROGRAMS, BY FUNCTIONAL AREA OF STUDY: 1977 TO 1986[1]

YEAR	PART-TIME ENROLLMENTS BY FUNCTIONAL AREA OF STUDY									
	Total Part-Time		Teaching		Administration/ Management		Advanced Clinical Practice		Other	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1977	6,031	100.0	1,526	25.3	446	7.4	3,643	60.4	416	6.9
1978	6,544	100.0	1,139	17.4	766	11.7	3,665	56.0	974	14.9
1979	7,239	100.0	1,346	18.6	666	9.2	3,996	55.2	1,231	17.0
1980	7,747	100.0	1,270	16.4	806	10.4	4,788	61.8	883	11.4
1981	9,125	100.0	1,506	16.5	1,122	12.3	5,484	60.1	1,013	11.1
1982	10,696	100.0	2,021	18.9	1,583	14.8	6,525	61.0	567	5.3
1983	11,634	100.0	2,367	20.3	2,107	18.1	6,442	55.4	718	6.2
1984	11,725*	100.0*	1,415	12.1	1,775	15.1	7,950	67.8	582	5.0
1985	13,258	100.0	1,286	9.7	2,890	21.8	8,843	66.7	239	1.8
1986	14,294	100.0	3,149	22.0	3,124	21.9	7,976	55.8	41	0.3

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

* Eight programs did not respond to this section of the questionnaire.

Part-Time Enrollments in Master's Programs, by Nursing Content Area (Tables 66a and 66b)

- Medical-surgical attracts the greatest number of part-time enrollment with 44 percent of the total (whether they are preparing for advanced clinical practice or teaching).

- Maternal-child is the second most popular area with 20.5 percent of those preparing for advanced clinical practice and 33.6 percent of those preparing to teach.

- Of those preparing for advanced practice, 13 percent are specializing in community health and 12.5 percent in psychiatric-mental health (see Table 66a). Of those preparing to teach, about 9 percent are specializing in psychiatric-mental health and community nursing (see Table 66b). These figures have remained essentially unchanged over the past year.

Table 66a
PART-TIME ENROLLMENTS OF NURSES IN ADVANCED CLINICAL PRACTICE, BY NURSING CONTENT AREA: 1985-86

YEAR	PART-TIME ENROLLMENTS BY NURSING CONTENT AREA											
	Total Part-Time		Medical-Surgical		Maternal-Child		Psychiatric-Mental Health		Community Health		Other	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1985	8,843	100.0	4,192	47.4	2,106	23.8	982	11.1	1,070	12.1	493	5.6
1986	7,976	100.0	3,505	44.0	1,639	20.5	1,000	12.5	1,046	13.1	786	9.9

Table 66b
PART-TIME ENROLLMENTS OF NURSES IN TEACHING, BY NURSING CONTENT AREA: 1985-86

YEAR	PART-TIME ENROLLMENTS BY NURSING CONTENT AREA											
	Total Part-Time		Medical-Surgical		Maternal-Child		Psychiatric-Mental Health		Community Health		Other	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1985	1,286	100.0	625	48.6	249	19.4	92	7.1	86	6.7	234	18.2
1986	3,149	100.0	1,306	41.5	1,059	33.6	279	8.9	283	9.0	222	7.0

Graduations from Master's Programs (Table 67-68)

- Graduations from master's nursing programs has remained almost constant since 1984-85.
- Although the South reported the largest number of master's programs, the North Atlantic had the largest number of enrolled students and graduates (see also Table 62). The North Atlantic reported over 29.4 percent of total graduates; the South, 28.5 percent; the Midwest, 25 percent; and the West, 17.1 percent. Note, however, that the North Atlantic reported a significant decline in graduates (see Table 67).
- **TEN-YEAR TREND:** The number of master's graduations increased over 38 percent.
- **FIVE-YEAR TREND:** The number of graduations from master's programs increased from 5,149 in 1981-82 to 5,248 in 1985-86—an increase of just 2 percent.

Table 67

GRADUATIONS FROM MASTER'S PROGRAMS AND PERCENTAGE CHANGE FROM PREVIOUS YEAR, BY NLN REGION: 1966-67 TO 1985-86[1]

ACADEMIC YEAR	ALL REGIONS			NORTH ATLANTIC			MIDWESTERN			SOUTHERN			WESTERN		
	Number of Programs	Graduations		Number of Programs	Graduations		Number of Programs	Graduations		Number of Programs	Graduations		Number of Programs	Graduations	
		Number	Percent Change		Number	Percent Change		Number	Percent Change		Number	Percent Change		Number	Percent Change
1966-67	61	1,534	+19.9	19	656	+10.4	20	317	+23.3	12	187	+19.9	10	374	+37.5
1967-68	66	1,615	+5.3	20	662	+0.9	21	320	+0.9	14	247	+32.1	11	386	+3.2
1968-69	70	1,766	+9.3	20	690	+4.2	21	377	+17.8	15	279	+13.0	14	420	+8.8
1969-70	73	1,988	+12.6	21	857	+24.2	21	424	+12.5	16	311	+11.5	15	396	-5.7
1970-71	79	2,082	+4.7	23	787	-8.2	23	391	-7.8	18	380	+22.2	15	524	+32.3
1971-72	86	2,118	+1.7	24	725	-7.9	25	503	+28.6	21	369	-2.9	16	521	-0.6
1972-73	86	2,430	+14.7	21	818	+12.8	26	483	-4.0	23	552	+50.0	16	577	+10.7
1973-74	92	2,624	+8.0	21	911	+11.4	28	539	+11.6	24	603	+9.2	19	571	-1.0
1974-75	100	2,678	+2.1	24	955	+4.8	28	516	-4.3	29	642	+6.5	19	565	-1.0
1975-76	106	3,417	+27.6	25	1,186	+24.2	28	688	+33.3	33	854	+33.0	19	689	+21.9
1976-77	102	3,800	+11.2	24	1,284	+8.3	28	857	+24.6	33	1,027	+20.6	17	632	-8.3
1977-78	109	4,255	+12.0	26	1,573	+22.5	24	915	+6.8	37	1,145	+11.5	17	622	-1.6
1978-79	118	4,596	+8.0	27	1,630	+3.6	32	986	+7.8	41	1,307	+14.1	18	673	+8.2
1979-80	121	4,755	+3.5	29	1,565	-4.0	32	1,068	+8.3	41	1,333	+2.0	19	789	+17.2
1980-81	127	4,998	+5.1	30	1,472	-5.9	30	1,207	+13.0	46	1,510	+13.3	21	809	+2.5
1981-82	138	5,149	+3.0	32	1,530	+3.9	34	1,289	+6.8	48	1,463	-3.1	24	867	+7.1
1982-83	141	5,039	-2.1	34	1,565	+2.3	38	1,230	-4.6	45	1,325	-12.1	24	919	+6.0
1983-84	164*	5,082	+0.9	42	1,641	+4.7	44	1,165	-5.6	52	1,388	+4.6	26	888	-3.5
1984-85	167	5,247	+3.2	42	1,808	+10.2	44	1,224	+5.1	54	1,389	+0.1	27	826	-7.0
1985-86	189	5,248	0.0	48	1,541	-14.8	52	1,306	+6.7	56	1,496	+7.7	33	905	+9.6

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

* Two programs had not yet graduated their first class at time of reporting.

† A previously unreported program was included.

Table 68

GRADUATIONS OF REGISTERED NURSES FROM MASTER'S PROGRAMS IN NURSING, BY NLN REGION AND STATE: 1976-77 TO 1985-86[1]

NLN REGION AND STATE	NUMBER OF GRADUATIONS FROM MASTER'S PROGRAMS									
	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86
United States	**3,800**	**4,255**	**4,596**	**4,755**	**4,998**	**5,149**	**5,039**	**5,082**	**5,247**	**5,248**
North Atlantic	1,284	1,573	1,630	1,565	1,472	1,530	1,565	1,641	1,808	1,541
Midwest	857	915	986	1,068	1,207	1,289	1,230	1,165	1,224	1,306
South	1,027	1,145	1,307	1,333	1,510	1,463	1,325	1,388	1,389	1,496
West	632	622	673	789	809	867	919	888	826	905
Alabama	59	64	97	166	175	179	148	107	100	150
Alaska	—	—	—	—	—	—	9	1	10	12
Arizona	39	54	57	71	60	85	79	64	65	65
Arkansas	24	18	19	25	28	25	24	16	18	18
California	321	327	310	376	359	377	439	479	427	477
Colorado	100	99	110	104	111	79	101	83	74	70
Connecticut	66	75	80	94	100	110	108	101	91	93
Delaware	12	4	17	15	18	23	37	32	29	26
District of Columbia	110	99	129	118	106	130	117	94	111	131
Florida	44	39	47	34	71	62	33	50	101	96
Georgia	222	223	181	151	136	125	96	114	87	123
Hawaii	10	16	19	15	21	22	18	25	18	9
Idaho	—	—	—	—	3	4	5	5	8	7
Illinois	194	273	234	257	310	374	314	252	282	294
Indiana	91	76	141	114	160	157	197	180	155	172
Iowa	37	31	26	13	28	12	20	18	17	25
Kansas	21	19	45	60	66	63	64	88	77	72
Kentucky	25	31	38	50	48	57	54	59	49	70
Louisiana	28	33	25	38	59	93	80	55	59	86
Maine	—	—	—	—	—	—	0	0	6	7
Maryland	105	106	113	95	111	107	122	110	137	99
Massachusetts	306	363	358	361	283	296	255	218	218	144
Michigan	174	117	116	175	140	156	137	138	155	184
Minnesota	78	93	62	88	105	102	97	100	84	68
Mississippi	62	45	71	59	45	34	42	46	50	37
Missouri	53	75	79	60	84	73	75	68	82	76
Montana	5	4	4	7	14	9	6	1	4	7
Nebraska	24	23	34	38	38	28	36	27	32	31
Nevada	—	—	—	—	6	3	5	7	1	7
New Hampshire	—	—	—	—	—	—	—	—	—	0
New Jersey	50	34	28	63	73	61	77	75	235	79
New Mexico	—	—	—	4	4	9	11	13	9	21
New York	557	771	775	661	607	581	564	691	702	645
North Carolina	67	86	83	81	108	104	120	88	93	103
North Dakota	—	—	—	—	—	—	0	4	3	6
Ohio	111	128	152	181	160	195	165	168	223	242
Oklahoma	21	33	36	31	51	42	30	44	75	54
Oregon	19	16	28	59	52	78	68	52	51	56
Pennsylvania	161	203	237	241	263	306	388	414	397	403
Rhode Island	22	24	19	12	22	23	19	16	19	13
South Carolina	34	32	56	52	60	62	38	89	42	50
South Dakota	—	—	—	—	—	6	11	15	7	14
Tennessee	69	76	107	131	104	117	70	94	94	84
Texas	214	310	355	325	341	289	277	298	255	320
Utah	23	23	32	36	42	61	63	62	61	47
Vermont	—	—	—	—	—	—	—	—	—	—
Virginia	44	43	53	77	165	156	170	193	187	174
Washington	115	83	113	117	137	139	114	95	102	123
West Virginia	9	6	13	18	8	11	21	25	42	32
Wisconsin	74	80	97	82	116	123	114	107	107	122
Wyoming	—	—	—	—	—	1	1	1	1	4
American Samoa	—	—	—	—	—	—	—	—	—	—
Guam	—	—	—	—	—	—	—	—	—	—
Puerto Rico	30	16	25	23	28	44	46	54	74	59
Virgin Islands	—	—	—	—	—	—	—	—	—	—

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Graduations from Master's Programs, by Functional Area (Table 69)

- As with enrollments, the largest group of master's graduates chose advanced clinical practice as their functional area of study—over 70 percent of the total. This, however, represents a decline to below the 1981-82 apex.
- A small increase in graduations was registered in teaching and a small decrease was registered in administration/management in 1985-86.

Table 69

GRADUATIONS OF NURSES FROM MASTER'S PROGRAMS, BY FUNCTIONAL AREA OF STUDY: 1976-77 TO 1985-86[1]

YEAR	GRADUATIONS BY FUNCTIONAL AREA OF STUDY									
	TOTAL		TEACHING		ADMINISTRATION/ MANAGEMENT		ADVANCED CLINICAL PRACTICE		OTHER	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1976-77	3,830	100.0	944	24.7	269	7.0	2,468	64.4	149	3.9
1977-78	4,271	100.0	974	22.8	416	9.7	2,675	62.7	206	4.8
1978-79	4,621	100.0	946	20.5	351	7.6	3,000	64.9	324	7.0
1979-80	4,778	100.0	794	16.6	392	8.2	3,342	70.0	250	5.2
1980-81	5,026	100.0	862	17.2	405	8.0	3,577	71.2	182	3.6
1981-82	5,193	100.0	670	12.9	690	13.3	3,806	73.3	27	0.5
1982-83	5,085	100.0	834	16.4	620	12.2	3,558	70.0	73	1.4
1983-84	4,669*	100.0*	475	10.2	619	13.2	3,545	75.9	30	0.6
1984-85	5,247	100.0	661	12.6	915	17.4	3,625	69.1	46	0.9
1985-86	5,248	100.0	684	13.0	841	16.1	3,679	70.1	44	0.8

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

* Eight programs did not respond to this section of the questionnaire.

Graduations from Master's Programs, by Nursing Content (Table 70)

- Despite a drop in over popularity, the largest group of graduates studied medical-surgical nursing (35%), followed by maternal-child nursing (21.3%), psychiatric-mental health nursing (9.8%), and community health nursing (8%). All categories registered dropped since 1984-85 while the "other" category rose dramatically.

Table 70

GRADUATIONS OF NURSES FROM MASTER'S PROGRAMS, BY NURSING CONTENT AREA: 1976-1977 TO 1985-1986[1]

ACADEMIC YEAR	GRADUATIONS BY NURSING CONTENT AREA											
	TOTAL		MEDICAL-SURGICAL		MATERNAL-CHILD		PSYCHIATRIC-MENTAL HEALTH		COMMUNITY HEALTH		OTHER (nursing service, public policy) or NOT DESIGNATED	
	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total
1976-77	3,830	100.0	1,007	26.3	579	15.1	678	17.7	364	9.5	1,202	31.4
1977-78	4,271	100.0	1,271	29.8	695	16.3	732	17.1	284	6.6	1,289	30.2
1978-79	4,621	100.0	1,642	35.5	756	16.4	726	15.7	526	11.4	971	21.0
1979-80	4,778	100.0	1,678	35.1	823	17.2	781	16.4	627	13.1	869	18.2
1980-81	5,026	100.0	1,793	35.7	942	18.8	791	15.7	655	13.0	845	16.8
1981-82	5,193	100.0	1,775	34.2	942	18.1	787	15.2	724	13.9	965	18.6
1982-83	5,085	100.0	1,704	33.5	825	16.2	674	13.3	772	15.2	1,110	21.8
1983-84	4,390*	100.0*	1,436	32.7	1,152	26.2	548	12.4	306	7.0	948	21.6
1984-85	5,247	100.0	2,083	39.7	1,412	26.9	771	14.7	666	12.7	315	6.0
1985-86	5,248	100.0	1,839	35.0	1,276	24.3	513	9.8	419	8.0	1,201	22.9

[1] Until 1983-84 data on American Samoa, Guam, Puerto Rico, and the Virgin Islands were included.

* Eight programs did not respond to this section of the questionnaire.

Ratio of Graduations from Master's Programs to Graduations from Baccalaureate Programs (Table 71)

- The ratio of master's to baccalaureate students has inched up slightly since 1984-85. For every 6.8 students who graduated from a baccalaureate program, there was one master's graduate (Table 71).

Table 71

RATIO OF GRADUATIONS FROM MASTER'S PROGRAMS TO GRADUATIONS FROM BACCALAUREATE PROGRAMS IN NURSING: 1966-67 TO 1985-86[1]

ACADEMIC YEAR	NUMBER OF GRADUATIONS				RATIO OF GRADUATIONS Master's to Baccalaureate in Nursing
	Master's	Baccalaureate			
		Basic	RN	Total	
1966-67	1,534	6,131	2,262	8,393	1—5.5
1967-68	1,615	7,145	2,164	9,309	1—5.8
1968-69	1,766	8,381	2,176	10,557	1—6.0
1969-70	1,988	9,105	2,413	11,518	1—5.8
1970-71	2,083	9,913	2,214	12,127	1—5.8
1971-72	2,135	11,027	2,337	13,364	1—6.3
1972-73	2,446	13,132	2,681	15,813	1—6.5
1973-74	2,643	17,049	3,003	20,052	1—7.6
1974-75	2,694	20,241	3,791	24,032	1—8.9
1975-76	3,437	22,678	4,759	27,437	1—8.0
1976-77	3,830	23,632	5,445	29,077	1—7.6
1977-78	4,271	24,497	6,146	30,643	1—7.2
1978-79	4,621	25,349	6,480	31,829	1—6.9
1979-80	4,778	25,411	7,365	32,776	1—6.9
1980-81	5,026	24,804	8,416	33,220	1—6.6
1981-82	5,193	24,523	9,326	33,849	1—6.5
1982-83	5,085	24,398	9,118	33,516	1—6.6
1983-84	5,082	23,718	10,185	33,803	1—6.5
1984-85	5,247	24,975	9,594	34,569	1—6.6
1985-86	5,248	25,170	10,380	35,550	1—6.8

[1] Until 1983-84, data on American Samoa, Guam, Puerto Rico, and the Virgin Islands were included.

Enrollments and Graduations of Men and Minority Students in Master's Programs (Table 72)

- Starting with the 1984 survey, NLN has been reporting data on the number of men and minorities in graduate programs. We plan to continue reporting this data so that trends can be uncovered.

- 156 of the 189 master's programs reported data on male and minority students. This figure represents over 82 percent of all master's nursing programs.

- All percentages reported in this section are approximate since the number of males and minorities has been based on the total number of enrollments and graduations rather than on only the enrollments and graduations of those programs that responded to this section of the questionnaire.

- Men constituted about 3.0 percent of total enrollments in master's nursing programs and 3.3 percent of the graduates. Blacks represent 6.8 percent of enrollments and 5.5 percent of the graduations.

- Hispanics represented 1.6 percent of master's enrollments and 2.1 percent of graduations. While Asians constituted 1.9 percent of the enrollments and 1.5 percent of the master's graduations. American Indians represented 0.3 percent of both enrollments and graduations.

- The West reported the largest proportion of men, Hispanic and Asian master's students. The North Atlantic reported the largest percentage of men while the South reported the largest number of American Indians.

- The largest number of males graduated from master's programs in the North Atlantic. The South, however, reported the greatest proportion of black, Hispanic, and Asian graduates.

Table 72
ENROLLMENTS AND GRADUATIONS OF MEN AND MINORITY STUDENTS IN MASTER'S PROGRAMS, BY NLN REGION, 1986[1]

NLN REGION	NUMBER OF PROGRAMS RESPONDING	MEN		BLACKS		HISPANIC		ASIAN		AMERICAN INDIAN	
		Enrollments	Graduations	Enrollments	Graduations	Enrollments	Graduations	Enrollments	Graduations	Enrollments	Graduations
North Atlantic	39	97	57	479	57	61	7	96	15	4	1
Midwestern	44	131	24	203	72	25	52	41	23	4	2
Southern	46	169	31	350	98	76	15	65	6	18	5
Western	27	84	29	76	11	106	17	105	23	16	5
All Regions	**156**	**481**	**141**	**1,108**	**238**	**268**	**91**	**307**	**67**	**42**	**13**
Percent of Total	82.5	2.9	3.3	6.8	5.5	1.6	2.1	1.9	1.5	0.3	0.3

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands

RN Faculty

SUMMARY AND RESULTS OF NURSE FACULTY CENSUS

Since 1962, the National League for Nursing has conducted a biennial survey of all nursing education programs that is designed to monitor trends and changes in the profession as they pertain to nurse faculty. Each survey contains questions designed to monitor the trends occurring in nursing education that affect faculty as well as some questions that reflect social and economic challenges to nursing education.

The 1986 questionnaire was modified from earlier versions to provide information on credentials of associate or assistant administrators and graduate faculty, ethnic background of administrators, percentage of faculty whose highest degree is in nursing, and the role of part-time faculty and faculty with joint appointments. Additional information was also obtained on areas of the questionnaire that were new in 1984, including computer technology, salaries of faculty and administrators, faculty workload, and number of male faculty.

Methodology

The Faculty Census questionnaire was mailed in early 1986 to 1,679 nursing education programs, including 1,519 basic programs and 160 baccalaureate and higher degree programs that admit only registered nurses. Responses were to reflect data as of January 1986.

The questionnaire included the following areas: (1) educational preparation of nursing education administrators and associate or assistant administrators; (2) number of full-time and part-time nurse faculty and non-nurse faculty in nursing education programs; (3) highest earned credential of full-time and part-time nurse faculty; (4) highest earned credential of full-time and part-time graduate faculty; (5) unfilled budgeted positions for nurse faculty; (6) number of male faculty members; (7) ethnic background of faculty and administrators; (8) faculty workload; (9) role of part-time faculty; (10) integration of computer technology; and (11) rank and salaries of full-time faculty.

A supplement to the 1986 Faculty Census asked each program that offers both baccalaureate and graduate programs to indicate the number and highest credential of faculty assigned to teaching (1) exclusively in baccalaureate programs, (2) in *both* baccalaureate and master's programs, and (3) exclusively in master's degree programs.

Response Rate

Of the total of 1,654 programs, 1,474 responded, for a response rate of 87.8 percent. The response rate for each of the subsections of the questionnaire varied.

Analysis of Data

The analysis of the data examined differences in the responses by type of program, NLN region and state, type of institutional support, and accreditation status. In many instances, because of the large number of programs studied, differences may be statistically significant when the actual differences among the types of programs or regions is not great. In looking at the data presented, therefore, the percentages and relationships between the numbers should be of primary interest, rather than the absolute numbers, since the percentage of respondents in each year and in each category fluctuates.

Population

The total number of basic nursing education programs has increased steadily since 1956. Although fewer programs were reported in 1986 than in 1984, this did not reflect an actual decrease in number of programs. Rather, it was primarily the result of recoding baccalaureate and higher degree programs that admit registered nurses only to consolidate separate programs with the same administration into one program listing. There was a slight increase in the number of basic (generic) nursing programs in the last two years, from 1,492 to 1,495 programs. Although the number of diploma programs decreased, the decline was balanced by the increase in generic baccalaureate and associate degree programs. This number of basic programs is again the highest ever.

Number of Faculty in Nursing Education

An overall decrease in the number of full-time and part-time faculty was reported in 1986. Much of this change is due to decreases in full-time faculty in baccalaureate and higher degree programs and the even larger decrease in both full-time and part-time faculty in diploma programs (see Table F-3). Based on a projected 100 percent return rate, the estimated number of full-time faculty is 20,361 and the estimated number of part-time faculty is 6,478.

For the first time there has been an estimated decrease in the number of full-time faculty in baccalaureate and higher degree programs. The number of part-time faculty continues to increase, but not at as high a rate as reported in 1984.

In diploma programs, the estimated 23.7 percent decrease in full-time faculty and 28.9 percent decrease in part-time faculty reflects the decreases in enrollments and the number of programs that have announced their closing in the last two years.

A variety of factors affecting nursing education today are causing a decrease in admissions and enrollment and a resulting decrease in the number of programs and faculty. These decreases are just beginning to be felt among nursing faculty. The growing concern with the economics of nursing education has encouraged the increased use of part-time faculty. Part-time faculty are less costly, since they usually do not receive fringe benefits, nor are they paid for such faculty responsibilities as research, advisement, counseling, and committee work. Part-time faculty also provide greater flexibility for the program in adjusting to changes in enrollment, since they usually are not tenured and their continued appointment is based on student enrollment, often semester by semester. The trend toward using part-time faculty is apparent in higher education in general.

Unfilled Faculty Positions

The number of unfilled full-time positions in baccalaureate and higher degree programs is slightly higher in 1986, at 4.5 per 100 faculty members, an increase of 0.3 compared with 1984. In associate degree programs, the unfilled positions per 100 reported faculty remained the same. In diploma programs, there was a decrease in the last two years from 3.5 to 2.5 unfilled positions per 100 faculty.

Faculty Credentials

The trend toward a better educated faculty continues in all types of nursing education programs. The percentages of faculty with doctorates and graduate education continues to increase. Ninety-one percent of the faculty with doctoral degrees and 51 percent of the faculty with master's degrees teach in baccalaureate and higher degree programs. Ninety-eight percent of all full-time faculty have graduate preparation.

Among the faculty teaching only at the graduate level, 63.5 percent have a doctorate. In baccalaureate and higher degree programs, 24 percent of the faculty now have an earned doctorate. Of those in baccalaureate and higher degree programs with a doctorate, 35.7 had a major in nursing. Also in baccalaureate and higher degree programs, 94.9 percent of those with a master's and 97.0 percent of those with a bachelor's degree majored in nursing. In associate degree programs, 80 percent of the master's degrees are in nursing, as compared with 63.3 percent in diploma programs.

Administrators' Credentials

Forty-two percent of all administrators and 77 percent of baccalaureate and higher degree program administrators have an earned doctorate. Between 1984 and 1986, the percentage of doctorally prepared administrators continued to increase.

Ethnic Background of Faculty

In 1986, 9.1 percent of all full-time nursing faculty were members of an ethnic minority, remaining about the same as in 1984. In 1982, 8.5 percent were members of an ethnic minority. On the average, less than one faculty member in each program is from an ethnic minority.

Number of Male Faculty

Males made up 3.3 percent of all full-time faculty and 6.3 percent of part-time faculty. Overall, there is less than one full-time male faculty member for every two nursing programs and one part-time male faculty member for every three nursing programs. This represents a slight increase in the proportion of males over 1984.

Faculty Workload

Analysis of faculty workload shows that most faculty in nursing education programs teach between three and five hours in the classroom a week. In most basic nursing education programs, faculty spend from 12 to 17 hours a week in clinical teaching. Diploma programs have a significantly higher number of hours of clinical teaching, with a mean and median of 18 hours a week.

Very few programs listed nursing practice as part of the expected faculty weekly workload. It was cited mostly in baccalaureate and higher degree programs, but by only 44 percent of these programs. The median number of clinical practice hours per week for each type of program remained zero.

Nursing research was included in the typical faculty workload mostly in baccalaureate and higher degree programs. In these programs, faculty research hours were more apt to be listed by graduate programs, where the average number of hours per week devoted to research was 4.9, in contrast with 1.9 hours per week for undergraduate faculty.

Computer Technology

As might be expected, computer technology has been increasingly integrated into nursing education over the last two years. While 87 percent of the programs reported that they had faculty members who attended conferences on computers during 1985-86, 37 percent reported that they had no faculty integrating computers into nursing courses. Sixteen percent reported that they had at least one nurse faculty member prepared to teach computer applications. Only 13 percent of all nursing programs and 19 percent of baccalaureate and higher degree programs currently require courses in computer technology as part of the curriculum.

A variety of factors should continue to create a major increase in the role of computer applications in nursing education in the next few years, including economic influences on nursing education, concern with the clinical resources for teaching, the influence of faculty members who are learning about computers, and the employment of faculty with expertise in computers.

Salaries in Nursing Education

Administrators' salaries continue to be highest in baccalaureate degree programs with generic students. Programs that admit registered nurses only have a greater range of salaries; however, the distribution is skewed, with most salaries at the lower end of the scale.

Faculty and administrators with doctoral preparation have higher mean salaries, particularly at the higher ranks. Administrators' mean salaries for each type of program are $4,000 to $10,000 higher for those with doctorates rather than master's degrees.

The salaries of nursing faculty in higher education were also compared with the mean salaries reported by the American Association of University Professors (AAUP) for the 1985-86 academic year. This comparison showed that nursing faculty with doctoral degrees tended to have salaries similar to those of other faculty in higher education. The salaries of administrators of baccalaureate and higher degree programs, in general, tended to be higher than the mean salaries for AAUP full professors.

Program Information

Number of Nursing Education Programs by Region (Table 1)

- This table presents the population of responding nursing programs by program type and NLN region (see "Jurisdictions Included in the NLN Regions") as of January 1986. Additional information on nursing programs can be found in the current issue of the *Nursing Student Census* and the *Nursing Data Review*.

- There is considerable regional variation in the distribution of programs. For example, associate degree programs represent 65.4 percent of all nursing education programs in the West, while in contrast, in the North Atlantic, associate degree programs represent only 34.3 percent of programs.

- In the West, 1.8 percent of the nursing education programs are diploma programs, whereas, 27 percent of all programs in the North Atlantic are diploma programs.

- Baccalaureate and higher degree programs constitute 37 percent of all nursing educational programs. Although the percentage of baccalaureate and higher degree programs is similar across regions, the North Atlantic had the highest percent (38.8%), and the West had the lowest (32.9%).

Table 1
NUMBER OF NURSING EDUCATION PROGRAMS, BY NLN REGION

NLN REGION	All Programs		Diploma Programs		Associate Degree Programs		Baccalaureate and Higher Degree Programs			
							Generic		Non-Generic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Regions	1,654	100	256	15.5	787	47.6	452	27.3	159	9.6
North Atlantic	400	100	108	27.0	137	34.3	107	26.8	48	12.0
Midwestern	481	100	97	20.2	205	42.6	131	27.2	48	10.0
Southern	520	100	47	9.0	285	54.8	151	29.0	37	7.1
Western	228	100	4	1.8	149	65.4	50	21.9	25	11.0
Territories	25	100	0	0.0	11	44.0	13	52.0	1*	0.4

Number of Nursing Education Programs by State (Table 2)

- Table 2 presents the number of existing nursing education programs by program type and state, as of January 1986.
- New York, California, and Pennsylvania had the largest overall number of nursing education programs, with more than 100 programs in each state.
- California and New York had the highest number of both associate degree programs and baccalaureate programs, while Pennsylvania had the greatest number of diploma programs.

Table 2
NUMBER OF NURSING EDUCATION PROGRAMS, BY STATE

JURISDICTION	TOTAL NUMBER OF PROGRAMS	Diploma Programs	Associate Degree Programs	Baccalaureate and Higher Degree Programs	
				Generic	Non-Generic
Alabama	37	3	20	13	1
Alaska	2	0	1	1	0
Arizona	17	0	12	4	1
Arkansas	21	2	11	7	1
California	101	2	69	21	9
Colorado	17	2	7	5	3
Connecticut	22	5	6	7	4
Delaware	7	1	3	2	1
District of Columbia	6	0	1	5	0
Florida	45	1	26	12	6
Georgia	35	2	19	13	1
Hawaii	6	0	4	0	2
Idaho	8	0	5	1	2
Illinois	82	20	34	22	6
Indiana	42	6	18	13	5
Iowa	43	9	20	10	4
Kansas	32	3	17	10	2
Kentucky	31	0	20	8	3
Louisiana	23	4	6	12	1
Maine	12	2	5	3	2
Maryland	27	5	14	6	2
Massachusetts	55	14	19	14	8
Michigan	52	5	32	13	2
Minnesota	29	3	12	10	4
Mississippi	22	1	14	7	0
Missouri	48	10	20	11	7
Montana	4	0	2	2	0
Nebraska	16	5	2	7	2
Nevada	6	0	4	1	1
New Hampshire	11	2	6	3	0
New Jersey	47	18	14	7	8
New Mexico	15	0	11	1	3
New York	117	18	55	32	12
North Carolina	59	5	40	12	2
North Dakota	10	3	2	4	1
Ohio	81	26	29	15	11
Oklahoma	28	0	16	11	1
Oregon	18	0	13	4	1
Pennsylvania	108	46	22	30	11
Rhode Island	7	2	2	3	0
South Carolina	22	1	13	6	2
South Dakota	9	2	4	3	0
Tennessee	38	7	17	9	5
Texas	69	2	42	21	4
Utah	4	0	1	3	0
Vermont	7	0	4	1	2
Virginia	43	12	16	9	6
Washington	25	0	16	6	3
West Virginia	20	2	11	5	2
Wisconsin	37	5	15	13	4
Wyoming	5	0	4	1	0
American Samoa	1	0	1	0	0
Guam	2	0	1	0	1
Puerto Rico	20	0	8	12	0
Virgin Islands	2	0	1	1	0
TOTAL	1,654	256	787	452	159

Number of Faculty and Unfilled Positions

Full-Time and Part-Time Faculty by State (Table F-1)

- Table F-1 presents data on all nursing education programs, including those programs that admit only registered nurses to complete the baccalaureate or higher degree.
- Part-time faculty constitute 24 percent of all nurse faculty. The highest percentage of part-time faculty are in associate degree programs (28%), followed by baccalaureate degree programs (24%), and diploma programs (15%).

Table F-1

TOTAL NUMBER OF FULL-TIME AND PART-TIME FACULTY, BY TYPE OF PROGRAM AND STATE: ALL GENERIC AND NON-GENERIC PROGRAMS

JURISDICTION	TOTAL NUMBER OF PROGRAMS	NUMBER OF PROGRAMS REPORTING	FACULTY IN ALL PROGRAMS		BACCALAUREATE & HIGHER DEGREE PROGRAMS		ASSOCIATE DEGREE PROGRAMS		DIPLOMA PROGRAMS	
			Full-Time	Part-Time	Full-Time	Part-Time	Full-Time	Part-Time	Full-Time	Part-Time
Alabama	37	31	417	57	278	31	126	21	13	5
Alaska	2	2	25	10	19	2	6	8	0	0
Arizona	17	16	203	177	129	126	74	51	0	0
Arkansas	21	21	196	46	83	16	77	29	36	1
California	101	90	1,162	448	614	292	511	156	37	0
Colorado	17	14	135	83	92	43	35	38	8	2
Connecticut	22	18	216	109	143	59	28	28	45	22
Delaware	7	6	86	28	56	14	30	14	0	0
District of Columbia	6	6	115	36	105	35	10	1	0	0
Florida	45	36	432	151	143	49	263	102	26	0
Georgia	35	31	337	82	194	39	109	35	34	8
Hawaii	6	4	46	17	27	9	19	8	0	0
Idaho	8	7	57	13	22	4	35	9	0	0
Illinois	82	76	860	174	338	79	296	63	226	32
Indiana	42	38	523	151	326	83	142	53	55	15
Iowa	43	32	289	125	156	71	61	42	72	12
Kansas	32	29	254	59	140	43	99	16	15	0
Kentucky	31	25	244	60	105	33	139	27	0	0
Louisiana	23	22	343	27	189	15	66	3	88	9
Maine	12	10	106	23	77	11	22	10	7	2
Maryland	27	23	236	105	72	26	133	73	31	6
Massachusetts	55	50	636	250	280	146	163	74	193	30
Michigan	52	49	562	382	260	149	231	224	71	9
Minnesota	29	27	234	106	148	48	76	40	10	18
Mississippi	22	20	245	25	126	21	114	4	5	0
Missouri	48	39	445	128	212	62	101	54	132	12
Montana	4	4	75	21	65	12	10	9	0	0
Nebraska	16	15	212	50	120	25	30	13	62	12
Nevada	6	4	46	10	24	5	22	5	0	0
New Hampshire	11	8	68	22	23	9	29	12	16	1
New Jersey	47	40	453	143	128	31	153	55	172	57
New Mexico	15	13	91	20	43	2	48	18	0	0
New York	117	112	1,465	768	736	373	514	350	215	45
North Carolina	59	51	505	145	242	43	205	86	58	16
North Dakota	10	8	88	25	69	11	13	6	6	8
Ohio	81	73	954	336	401	122	239	145	314	69
Oklahoma	28	26	228	37	138	16	90	21	0	0
Oregon	18	14	157	56	77	28	80	28	0	0
Pennsylvania	108	104	1,471	333	683	166	214	89	574	78
Rhode Island	7	3	75	20	75	20	0	0	0	0
South Carolina	22	21	268	53	173	26	95	27	0	0
South Dakota	9	7	52	30	16	8	26	18	10	4
Tennessee	38	34	417	54	171	26	144	23	102	5
Texas	69	62	930	121	500	60	395	61	35	0
Utah	4	4	117	49	89	38	28	11	0	0
Vermont	7	7	47	17	29	7	18	10	0	0
Virginia	43	37	410	106	194	56	108	33	108	17
Washington	25	24	286	136	181	65	105	71	0	0
West Virginia	20	19	210	52	97	15	83	34	30	3
Wisconsin	37	34	490	222	265	165	184	49	41	8
Wyoming	5	5	35	17	19	1	16	16	0	0
American Samoa	1	1	4	1	0	0	4	1	0	0
Guam	2	1	11	2	0	0	11	2	0	0
Puerto Rico	20	18	238	73	175	54	63	19	0	0
Virgin Islands	2	3	18	1	14	1	4	0	0	0
TOTAL	1,654	1,474	17,825	5,792	9,081	2,891	5,897	2,395	2,847	506

Trends in Numbers of Faculty, 1970-1986 (Table F-2)

- Table F-2 presents changes in the number of full-time faculty, part-time faculty, and unfilled positions, based on the responses of all reporting programs. In interpreting the percentage changes, readers should note the variation in response rates from year to year that might affect the numbers reported. For data projected to a 100 percent response rate, see Table F-3.

- In general, the ratios of full-time to part-time faculty by program type in 1986 were as follows:

Associate degree programs	5:2
Baccalaureate programs	3:1
Diploma programs	6:1
All program types	3:1

- Only baccalaureate and higher degree programs continue to show an increase in the number of part-time faculty.

- The trends in number of full-time and part-time faculty are shown in Figures F-1 to F-5.

Table F-2

CHANGE IN NUMBER OF FULL-TIME AND PART-TIME FACULTY AND UNFILLED POSITIONS, BY TYPE OF PROGRAM: 1970-1986[1]

NUMBER OF FACULTY AND UNFILLED BUDGETED POSITIONS BY TYPE OF PROGRAM[2]	1970		1972		1974		1976		1978		1980		1982		1984		1986	
	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change
ALL RN PROGRAMS REPORTING[2]																		
Number of Programs Reporting	1,359	+7.5	1,333	−1.9	1,375	+3.1	1,395	+1.5	1,340	−3.9	1,385	+3.4	1,391	+0.4	1,556	+11.6	1,467	−5.7
Percent of total programs	99.3	+0.6	96.7	−2.6	98.8	+2.1	97.3	−1.5	91.5	−5.8	92.9	+1.4	89.9	−3.0	92.3	+2.4	88.7	−3.6
Number of full-time faculty	15,555	+3.9	16,794	+8.0	19,204	+14.3	20,572	+17.1	20,217	−1.7	20,355	+0.7	19,742	−3.0	20,449	+3.6	18,060	−11.7
Number of part-time faculty	2,556	+9.5	2,879	+12.0	3,780	+31.3	4,121	+9.0	4,457	+8.2	4,781	+7.3	5,167	+8.1	6,322	+22.4	5,746	−9.1
Unfilled budgeted positions	1,085	−16.3	877	−19.2	864	−1.5	776	−10.2	800	+3.1	710	−11.2	720	+1.4	694	−3.6	611	−12.0
BACCALAUREATE AND HIGHER DEGREE PROGRAMS REPORTING[3]																		
Number of Programs Reporting	280	+25.0	292	+4.3	319	+9.2	373	+16.9	378	+1.3	433	+14.5	468	+8.1	564	+20.5	557	−1.2
Percent of total programs	98.9	+2.8	97.0	−1.9	98.8	+1.8	96.1	−2.7	85.9	−10.2	92.1	+6.2	90.3	−1.8	90.3	0.0	91.2	+1.2
Number of full-time faculty	4,887	+13.9	5,534	+13.2	7,044	+27.3	8,567	+21.6	8,794	+2.6	9,531	+8.4	9,502	−0.3	9,800	+3.1	8,925	−8.9
Number of part-time faculty	677	+30.2	877	+29.5	1,338	+52.6	1,761	+31.6	1,919	+9.0	2,108	+9.8	2,254	+6.9	2,697	+19.7	2,845	+5.5
Unfilled budgeted positions	373	+17.7	327	−12.3	516	+57.8	414	−19.8	467	+12.8	403	−23.6	435	+7.9	407	−6.4	402	−1.2
ASSOCIATE DEGREE PROGRAMS REPORTING																		
Number of Programs Reporting	387	+38.2	473	+22.2	565	+19.4	602	+6.5	615	+2.2	647	+5.2	642	+0.8	745	+16.0	692	−7.1
Percent of total programs	99.2	−0.4	96.3	−2.9	98.4	+2.1	97.4	−1.0	93.7	−3.7	94.0	+0.3	88.4	−5.6	97.5	+9.1	87.9	−9.6
Number of full-time faculty	2,461	+49.5	3,588	+45.8	4,995	+39.2	5,680	+13.7	5,939	+4.6	6,036	+1.6	5,863	−2.9	6,606	+12.7	6,288	−4.8
Number of part-time faculty	298	+73.3	660	+121.5	1,210	+83.3	1,419	+17.3	1,622	+14.3	1,852	+14.2	2,146	+15.9	2,554	+19.0	2,395	−6.2
Unfilled budgeted positions	159	−21.3	188	+18.2	206	+9.6	201	−2.4	194	−3.5	194	0.0	178	−8.2	188	+5.6	138	−26.6
DIPLOMA PROGRAMS REPORTING																		
Number of Programs Reporting	692	−8.9	568	−17.9	491	−13.6	420	−14.5	347	−17.4	305	−12.1	281	−7.9	257	−8.5	218	−15.2
Percent of total programs	99.6	+0.5	96.8	−2.8	99.4	+1.6	98.1	−1.3	94.6	−3.5	91.6	−3.0	92.7	+1.1	88.9	−3.8	85.2	−3.7
Number of full-time faculty	8,207	−9.2	7,672	−6.5	7,165	−6.6	6,325	−11.7	5,484	−13.3	4,788	−12.7	4,377	−8.6	4,043	−7.6	2,847	−29.6
Number of part-time faculty	1,581	−3.8	1,342	−15.1	1,232	−8.2	941	−23.6	916	−2.7	821	−10.4	767	−6.6	771	+0.5	506	−34.4
Unfilled budgeted positions	553	−28.8	362	−34.5	261	−27.9	161	−38.3	139	−13.7	113	−18.7	107	−5.3	99	−7.5	71	−28.3

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[1] As of January of each year indicated

[2] Directors of programs not included in table

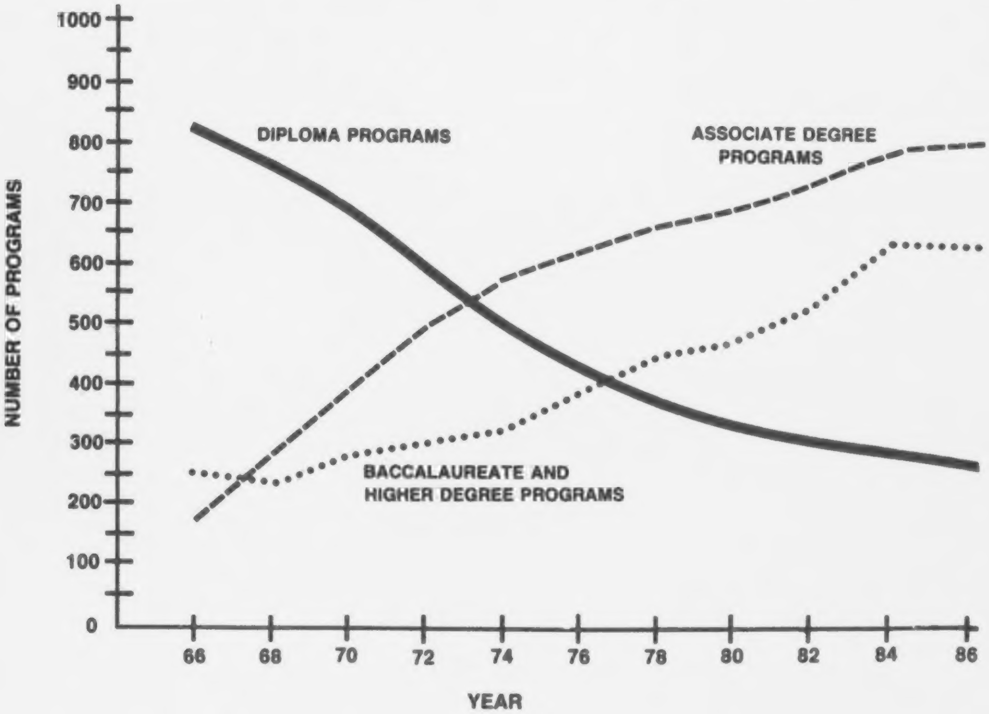
[3] Includes master's programs and RN baccalaureate programs.

Number of Nursing Education Programs, 1966-1986 (Figure F-1)

- The number of nursing education programs for each biennium from 1966 to 1986 is shown in a graphic representation in Figure F-1.
- The number of diploma programs has decreased every year since 1966, although the rate of decrease leveled off in the early 1980s.
- The number of associate degree programs has increased continually since 1966, with the most rapid rate of increase between 1966 and 1974. In the last two years the rate of increase has leveled off.
- There has been a steady increase in the number of reporting baccalaureate and higher degree programs since 1966, with a slowing of the increase in 1986.

Figure F-1

NUMBER OF NURSING EDUCATION PROGRAMS, BY PROGRAM TYPE

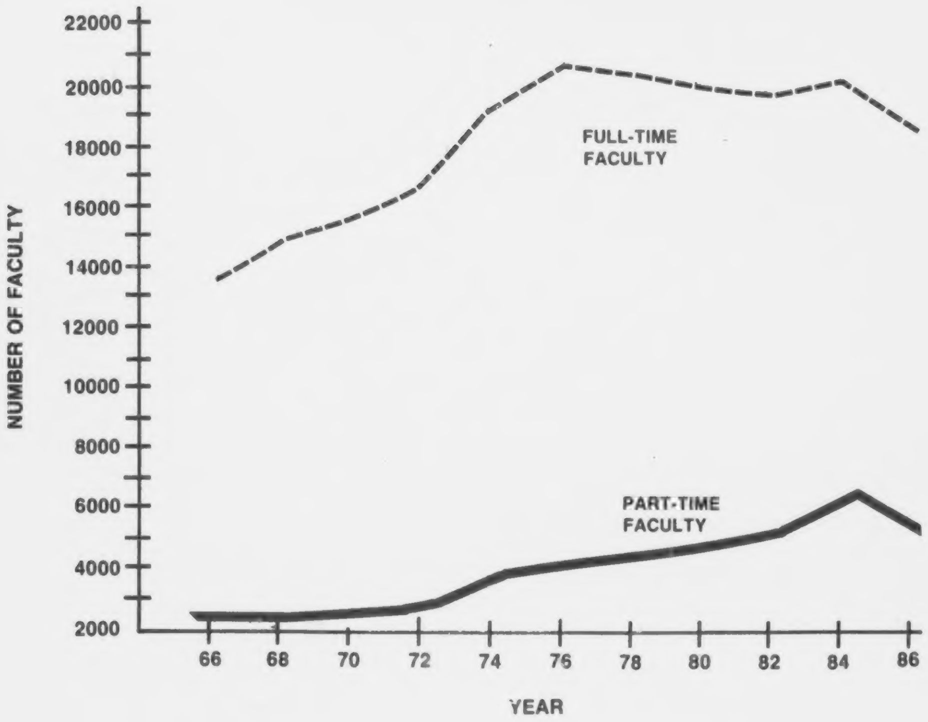


Total Number of Full-Time and Part-Time Faculty (Figure F-2)

- This graph shows the total number of full-time and part-time nurse faculty from 1966 to 1986 for all types of nursing education programs. Some of the variation by year can be explained by variation in the number of programs responding.
- There was a continuous increase in the number of faculty from 1966 to 1976. Since that time, the numbers have leveled off, and there was a decrease in faculty in 1986.
- The number of part-time faculty increased steadily from 1970 to 1984, with the most rapid rate of increase taking place in 1972-74 and 1982-84. From 1984 to 1986 there was a decrease in the total number of part-time faculty.

Figure F-2

TOTAL NUMBER OF FULL-TIME AND PART-TIME FACULTY IN ALL NURSING EDUCATION PROGRAMS



Number of Full-Time Faculty (Figure F-3)

- The total number of full-time faculty reported in each type of program for each biennium between 1966 and 1986 is shown in Figure F-3.

- Since 1978, the number of programs has continued to increase steadily. In the same time period, the number of full-time faculty reported by responding programs leveled off and in 1986 showed a decrease in all types of programs.

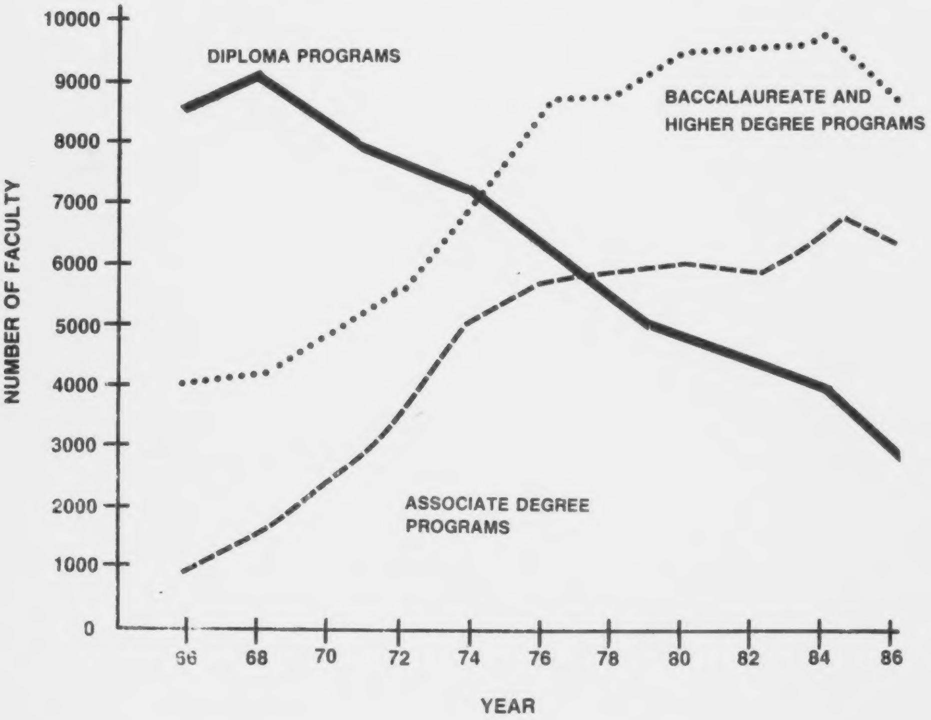
- For baccalaureate and higher degree programs, the number of full-time faculty decreased by 8.9 percent.

- Associate degree programs reported a 9.6 percent decrease in full-time faculty members. However, when projected to a 100 percent response rate, the numbers of full-time associate degree faculty shows a 6 percent increase (see Table F-3).

- For diploma programs, there was a 29.6 percent drop in the number of full-time faculty.

Figure F-3

NUMBER OF FULL-TIME FACULTY, BY PROGRAM TYPE



Part-Time Faculty by Program Type (Figure F-4)

- The total number of part-time faculty reported by each type of program from 1966 to 1986 is presented in Figure F-4.

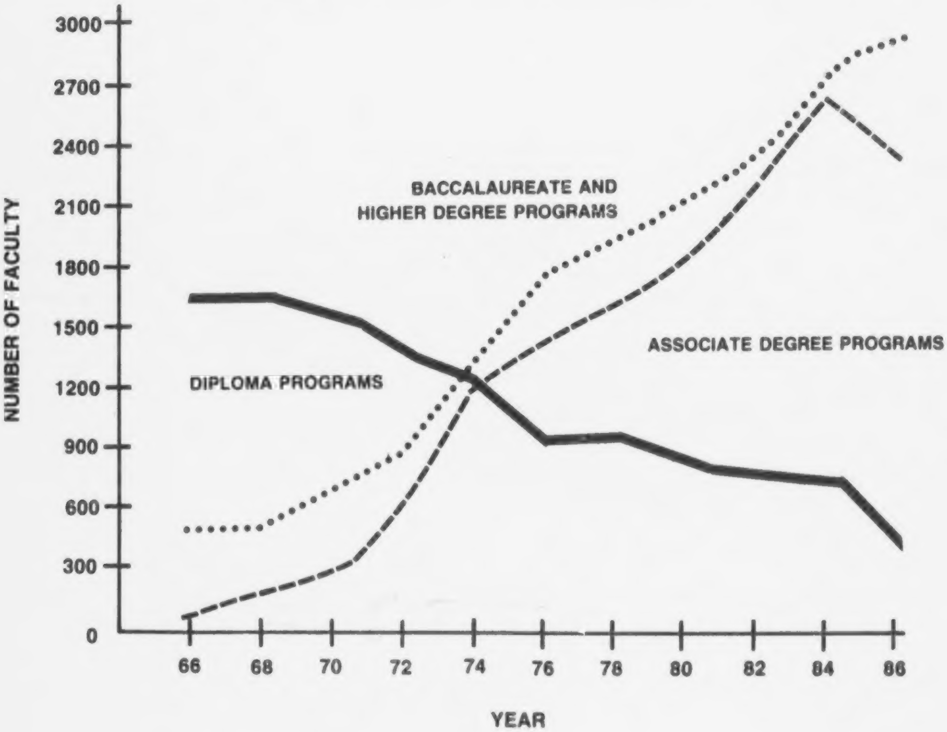
- The dramatic increase evidenced since 1966 continues in the number of part-time faculty in baccalaureate and higher degree programs. This increase has been much more rapid than the increase in number of programs, shown in Figure F-1.

- The number of part-time faculty reported by associate degree programs declined in 1986 after rising steeply since 1970. However, when a 100 percent response rate is projected, the number of part-time associate degree faculty members continued to rise, albeit at a lower rate of 4.2 percent (see Table F-3).

- The number of part-time faculty in diploma programs continues to decrease.

Figure F-4

NUMBER OF PART-TIME FACULTY, BY PROGRAM TYPE



Ratio of Full-Time to Part-Time Faculty (Figure F-5)

- This graphic representation shows the ratio of full-time faculty to part-time faculty by type of program from 1966 to 1986.

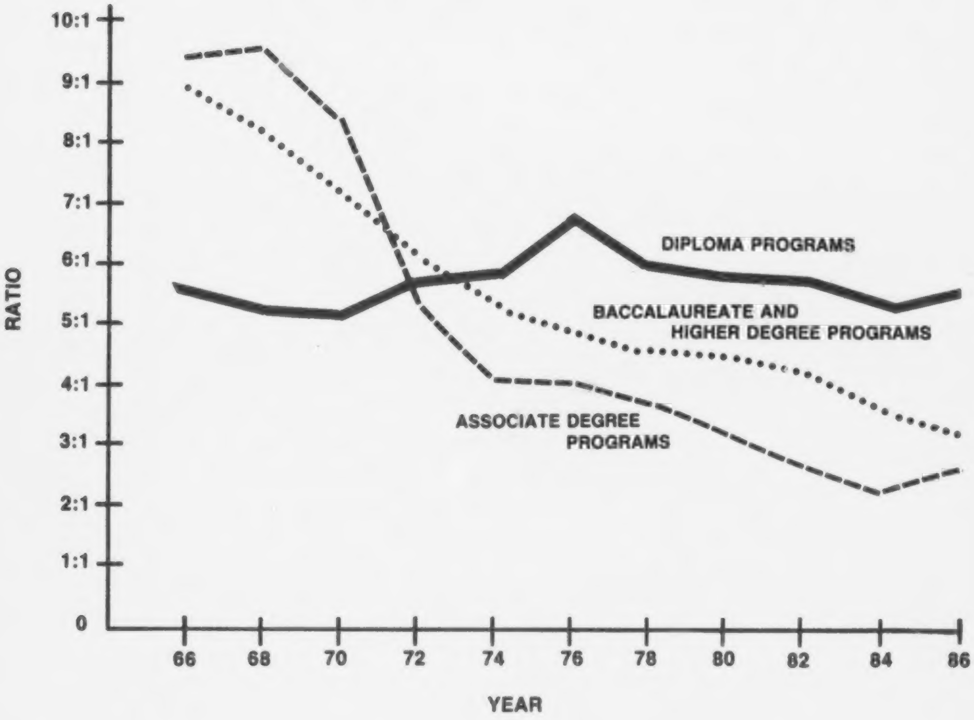
- The overall decrease in the ratio of full-time to part-time faculty has been greatest in associate degree programs. While the largest increase in part-time faculty occurred in the early 1970s, there has been an ongoing change in the ratio of full-time to part-time faculty, from nine full-time faculty members for every one part-time faculty member in 1966 to a two-to-one ratio in 1984. In 1986 the ratio increased slightly to 2.6 to 1 (5:2).

- Between 1966 and 1986, there has been a similar decrease in the ratio of full-time to part-time faculty in baccalaureate programs. In 1966, the ratio was nine to one. In 1986, the ratio was close to three to one.

- Between 1966 and 1986, the ratio of full-time to part-time diploma faculty has remained relatively unchanged at approximately six to one, despite minor fluctuations in the mid-1970s.

Figure F-5

RATIO OF FULL-TIME TO PART-TIME FACULTY, BY PROGRAM TYPE



Number of Full-Time and Part-Time Faculty and Unfilled Positions (Table F-3)

- The estimates in this table are based on an extension of the data to a 100 percent return. This provides a means of controlling for the differences in response rate in each biennial survey that contribute to changes in numbers of faculty members or unfilled positions.

- The estimated numbers of full-time equivalent (FTE) faculty were calculated by assuming that each part-time faculty member is equivalent to one-half of a full-time faculty member.

- Associate degree programs are the only type of program that have an estimated increase in numbers of both full-time and part-time faculty.

- Of all FTE faculty in nursing education programs in 1986, 48 percent were in baccalaureate and higher degree programs. Thirty-six percent were in associate degree programs, and 15 percent were in diploma programs.

- The total number of estimated FTE faculty decreased by 8 percent in baccalaureate and higher degree programs. The decrease in number of programs was caused by a decrease in BRN programs, while the number of generic baccalaureate programs continued to increase. However, at least some of the decrease in BRN programs is attributable to a redefinition of that category so that separate BRN and generic programs with the same administration and faculty were listed only once, as one program admitting both generic and RN students.

- FTE faculty in associate degree programs continued to maintain a slower rate of increase in 1986 than in the 1960s and early 1970s. There was a 0.5 percent increase in the number of AD programs in 1986, accompanied by only a 6 percent increase in number of FTE faculty.

- In 1986, diploma programs experienced the highest rate of decline in number of programs in the last 10 years (−14.4%), accompanied by a 24.2 percent decrease in FTE faculty.

Table F-3

ESTIMATED NUMBER OF FULL-TIME AND PART-TIME FACULTY AND UNFILLED POSITIONS AND PERCENT CHANGE, BY TYPE OF PROGRAM: 1970-1986[1]

ESTIMATED TOTAL NUMBER OF NURSE FACULTY AND UNFILLED BUDGETED POSITIONS BY TYPE OF PROGRAM[2]	1970		1972		1974		1976		1978		1980		1982		1984		1986	
	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change
ALL RN PROGRAMS[3]																		
Total Number of Programs	1,368	+6.8	1,379	+0.8	1,391	+0.9	1,434	+3.1	1,464	+2.1	1,491	+1.8	1,547	+3.8	1,697	+9.7	1,654	−2.5
Total estimated nurse faculty (full-time and FTEs)[4]	16,948	+3.2	18,848	+11.2	21,329	+13.2	23,322	+9.3	24,864	+6.6	24,567	−1.2	24,741	+0.7	25,580	+3.4	23,600	−7.7
Total estimated full time faculty	15,662	+2.8	17,359	+10.8	19,416	+11.8	21,197	+9.2	22,395	+5.6	21,991	−1.8	21,867	−0.6	22,155	+1.3	20,361	−8.1
Total estimated part time faculty	2,572	+8.4	2,978	+15.8	3,824	+28.4	4,248	+11.1	4,938	+16.2	5,153	+4.4	5,749	+11.6	6,849	+19.1	6,478	−5.4
Est. unfilled budgeted positions	1,092	−17.1	906	−17.0	994	+9.7	802	−19.3	909	+13.3	766	−15.7	797	+4.0	752	−5.6	689	−8.4
BACCALAUREATE AND HIGHER DEGREE PROGRAMS[3]																		
Total Number of Programs	283	+21.5	301	+6.4	323	+7.3	388	+20.1	441	+13.7	470	+6.6	518	+10.2	625	+20.7	611	−2.2
Total estimated nurse faculty (full-time and FTEs)[4]	5,281	+11.6	6,157	+16.6	7,810	+26.8	9,834	+25.9	11,379	+15.7	11,489	+1.0	11,764	+2.4	12,347	+5.0	11,346	−8.1
Total estimated full time faculty	4,939	+10.7	5,705	+15.5	7,132	+25.0	8,918	+25.0	10,260	+15.0	10,345	+0.8	10,517	+1.7	10,852	+3.2	9,786	−9.8
Total estimated part time faculty	684	+26.4	904	+32.2	1,355	+49.9	1,832	+35.2	2,239	+22.2	2,288	+2.2	2,495	+9.0	2,987	+19.7	3,120	+4.5
Est. unfilled budgeted positions	377	+14.2	337	−10.6	522	+54.9	432	−17.2	555	+28.5	437	−21.3	481	+10.1	451	−6.2	441	−2.2
ASSOCIATE DEGREE PROGRAMS																		
Total Number of Programs	390	+38.8	491	+25.9	574	+16.9	618	+7.7	656	+6.1	688	+4.9	726	+5.5	783	+7.9	787	+0.5
Total estimated nurse faculty (full-time and FTEs)[4]	2,630	+51.2	4,067	+54.6	5,690	+39.9	6,560	+15.3	7,200	+9.8	7,402	+2.8	7,843	+6.0	8,035	+2.4	8,516	+6.0
Total estimated full time faculty	2,480	+50.1	3,725	+50.2	5,075	+36.2	5,831	+14.9	6,335	+8.6	6,418	+1.3	6,630	+3.3	6,775	+2.2	7,153	+5.6
Total estimated part time faculty	300	+73.4	685	+128.3	1,229	+79.4	1,457	+18.6	1,730	+18.7	1,969	+134.8	2,427	+23.3	2,619	+7.9	2,725	+4.2
Est. unfilled budgeted positions	160	+78.8	195	+21.9	209	+7.2	206	−1.4	207	+0.5	206	−0.5	201	−2.4	193	−4.0	156	−19.2
DIPLOMA PROGRAMS																		
Total Number of Programs	695	−9.4	587	−15.5	494	−15.8	428	−13.4	367	−14.3	333	−9.3	303	−9.0	289	−4.6	256	−11.4
Total estimated nurse faculty (full-time and FTEs)[4]	9,037	−9.2	8,624	−4.6	7,829	−9.2	6,928	−11.5	6,285	−9.3	5,676	−9.7	5,134	−9.5	4,798	−6.5	3,639	−24.2
Total estimated full time faculty	8,243	−9.6	7,929	−3.8	7,209	−9.1	6,448	−10.6	5,800	−10.0	5,228	−9.9	4,720	−9.7	4,380	−7.2	3,342	−23.7
Total estimated part time faculty	1,588	−4.2	1,389	−12.5	1,240	−10.7	959	−22.7	969	+1.0	896	−7.5	827	−7.7	835	+0.5	594	−28.9
Est. unfilled budgeted positions	555	−29.2	374	−32.6	263	−29.7	164	−37.6	147	−10.4	123	−16.3	115	−6.5	107	−7.0	83	−22.4

[1] As of January of each year indicated. Estimates are based on an extension of the data to a 100 percent response rate to control for differences in response rate in each biennial survey.

[2] Directors of programs not included in table.

[3] Includes master's programs and RN baccalaureate programs.

[4] Full-time equivalents (FTEs) are calculated by assuming each part time faculty member is equivalent to one-half of a full-time faculty member.

Nurse and Non-Nurse Faculty, by Type of Program and Region (Table F-4)

- Non-nurse faculty constituted 2.6 percent of all full-time faculty in 1986, and 7.8 percent of all part-time faculty.
- Diploma programs had the highest percentages of full-time (5%) and part-time (18.6%) non-nurse faculty.
- There is little regional variation in the percentages of non-nurse faculty.
- The percentage of non-nurse faculty in nursing education decreased in the last two years, except for associate degree full-time non-nurse faculty, which showed an increase of approximately 0.2 percent.

Table F-4
NUMBER AND PERCENT OF NURSE AND NON-NURSE FACULTY, BY TYPE OF PROGRAM AND REGION

NLN REGION	FULL-TIME FACULTY						PART-TIME FACULTY					
	TOTAL		NURSE FACULTY		NON-NURSE FACULTY		TOTAL		NURSE FACULTY		NON-NURSE FACULTY	
	N	%	N	%	N	%	N	%	N	%	N	%
ALL REPORTING PROGRAMS												
All regions	18,532	100.0	18,060	97.5	472	2.6	6,235	100.0	5,746	92.2	489	7.8
North Atlantic	4,881	100.0	4,738	97.1	143	2.9	1,903	100.0	1,749	91.9	154	8.1
Midwestern	5,072	100.0	4,930	97.2	142	2.8	1,945	100.0	1,773	91.2	172	8.8
Southern	5,781	100.0	5,659	97.9	122	2.1	1,289	100.0	1,192	92.5	97	7.5
Western	2,798	100.0	2,733	97.7	65	2.3	1,098	100.0	1,032	94.0	66	6.0
BACCALAUREATE AND HIGHER DEGREE PROGRAMS												
All regions	9,095	100.0	8,925	98.1	170	1.9	3,099	100.0	2,845	91.8	254	8.2
North Atlantic	2,379	100.0	2,335	98.2	44	1.9	948	100.0	871	91.9	77	8.1
Midwestern	2,451	100.0	2,418	98.7	33	1.4	912	100.0	851	93.3	61	6.7
Southern	2,930	100.0	2,879	98.3	51	1.7	579	100.0	524	90.5	55	9.5
Western	1,335	100.0	1,293	96.9	42	3.2	660	100.0	599	90.8	61	9.2
ASSOCIATE DEGREE PROGRAMS												
All regions	6,439	100.0	6,288	97.7	151	2.4	2,514	100.0	2,395	95.3	119	4.7
North Atlantic	1,209	100.0	1,181	97.6	28	2.3	663	100.0	643	97.0	20	3.0
Midwestern	1,547	100.0	1,498	96.8	49	3.2	786	100.0	723	92.0	63	8.0
Southern	2,265	100.0	2,214	97.7	51	2.3	630	100.0	598	94.9	32	5.1
Western	1,418	100.0	1,395	98.4	23	1.6	435	100.0	431	99.1	4	0.9
DIPLOMA PROGRAMS												
All regions	2,998	100.0	2,847	95.0	151	5.0	622	100.0	506	81.4	116	18.6
North Atlantic	1,273	100.0	1,222	94.5	71	5.5	292	100.0	235	80.5	57	19.5
Midwestern	1,074	100.0	1,014	94.4	60	5.6	247	100.0	199	80.2	48	19.4
Southern	586	100.0	566	96.6	20	3.4	80	100.0	70	87.5	10	12.5
Western	45	100.0	45	100.0	0	0.0	3	100.0	2	66.7	1	33.3

Mean Numbers of Faculty per Program (Table F-5)

- The mean number of full-time faculty per program has continued to decline since the 1980 survey. However, the mean number of part-time faculty per program has increased during the same time period. (See Figures F-6 and F-7 for a graphic representation of these trends.)

- In 1986, the decline in mean number of full-time faculty continued in baccalaureate and higher degree programs—to 16.2. The mean number of full-time faculty in associate degree programs remained relatively unchanged—at 9.1 faculty members per program.

- Since 1978, associate degree programs experienced a slight increase in mean number of part-time faculty—from 2.6 to 3.5.

- The mean number of both full-time and part-time faculty in diploma programs decreased in 1986.

Table F-5

MEAN NUMBER OF FULL-TIME AND PART-TIME NURSE FACULTY PER PROGRAM, 1968-1986

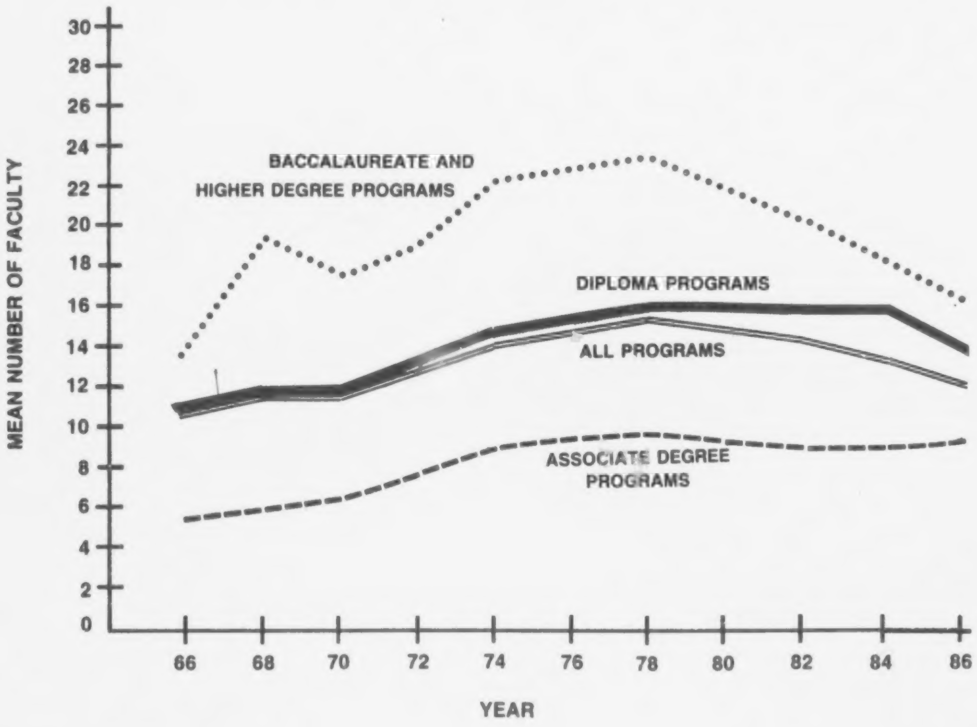
STATUS OF FACULTY	MEAN NUMBER OF FACULTY PER PROGRAM									
	1968	1970	1972	1974	1976	1978	1980	1982	1984	1986
ALL REPORTING PROGRAMS										
Full-time faculty	11.8	11.5	12.6	14.0	14.7	15.1	14.7	14.2	13.2	12.4
Part-time faculty	1.6	1.9	2.2	2.7	3.0	3.3	3.5	3.7	4.1	3.9
Unfilled positions	1.0	0.8	0.7	0.6	0.6	0.6	0.5	0.5	0.4	0.4
BACCALAUREATE AND HIGHER DEGREE PROGRAMS										
Full-time faculty	19.1	17.5	19.0	22.1	23.0	23.3	22.0	20.3	17.4	16.2
Part-time faculty	2.3	2.4	3.0	4.2	4.7	5.1	4.9	4.8	4.7	5.2
Unfilled positions	1.4	1.3	1.1	1.6	1.2	1.2	0.9	0.9	0.7	0.7
ASSOCIATE DEGREE PROGRAMS										
Full-time positions	5.9	6.4	7.6	8.8	9.4	9.7	9.3	9.1	8.9	9.1
Part-time faculty	0.6	0.8	1.4	2.1	2.4	2.6	2.9	3.3	3.8	3.5
Unfilled faculty	0.7	0.6	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.2
DIPLOMA PROGRAMS										
Full-time faculty	11.9	11.9	13.5	14.6	15.1	15.8	15.7	15.6	15.7	13.8
Part-time faculty	2.2	2.3	2.4	2.5	2.2	2.6	2.7	2.7	3.0	2.3
Unfilled positions	1.0	0.8	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.3

Mean Number of Full-Time Faculty by Type of Program (Figure F-6)

- Figure F-6 presents the trends in the average (mean) number of full-time faculty per program for each program type from 1966 to 1986.
- All program types, except baccalaureate and higher degree programs, remained relatively constant in mean numbers of full-time faculty. (The BRN program faculty are included with generic baccalaureate program faculty.)
- Despite a steady decline since 1978, baccalaureate and higher degree programs have consistently had the largest average number of full-time faculty.
- Diploma programs show a decrease in average number of full-time faculty along with the decrease in number of programs.

Figure F-6

MEAN NUMBER OF FULL-TIME FACULTY, BY PROGRAM TYPE

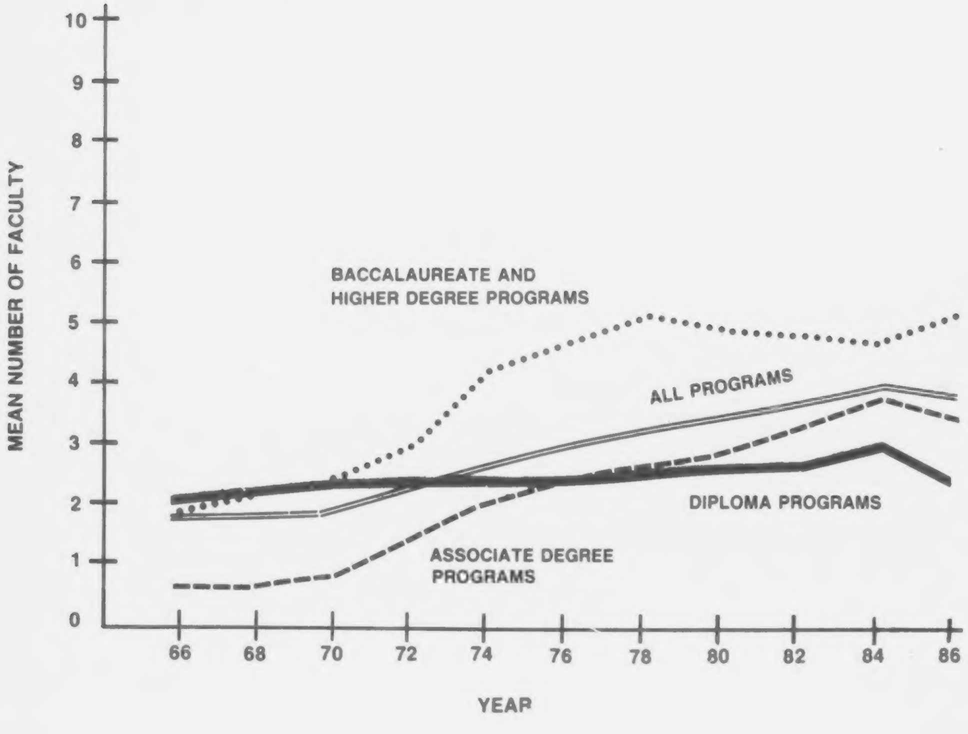


Mean Number of Part-Time Faculty by Type of Program (Figure F-7)

- Figure F-7 presents the trends in the average (mean) number of part-time faculty for each program type from 1966 to 1986.
- For baccalaureate and higher degree programs, most of the growth in part-time faculty occurred in the early to mid-1970s. It leveled off in the 1980s, with a further increase in 1986.
- In associate degree programs, there was a gradual but continuous increase in the average number of part-time faculty from 1970 until 1986, when there was a decrease.
- The average number of part-time faculty in diploma programs has remained fairly stable since 1966.

Figure F-7

MEAN NUMBER OF PART-TIME FACULTY, BY PROGRAM TYPE



Unfilled Faculty Positions by Region (Table F-6)

- Since 1976, the number of unfilled positions per 100 faculty members has remained fairly stable over all regions.
- Percentages derived from the data show that the largest percentage of unfilled positions (66%) were found in baccalaureate and higher degree programs (see also Tables F-2 and F-3).
- The largest portion of unfilled positions for all programs was found in the Southern region (38%).
- The only increase in the number of unfilled positions in 1986 was in the West (from 94 to 98 vacancies), primarily in baccalaureate and higher degree programs.

Table F-6
UNFILLED NURSE FACULTY BUDGETED POSITIONS PER 100 FULL-TIME FACULTY, BY NLN REGION: 1976-1986

NLN REGION BY YEAR	TOTAL FULL-TIME FACULTY REPORTED	TOTAL BUDGETED VACANCIES REPORTED	VACANCIES PER 100 FULL-TIME FACULTY
All Regions			
1976	20,572	776	3.8
1978	20,217	800	4.0
1980	20,355	710	3.5
1982	19,742	720	3.6
1984	20,449	694	3.4
1986	18,374	611	3.3
North Atlantic			
1976	6,000	150	2.5
1978	5,498	164	3.0
1980	5,581	117	2.1
1982	5,333	140	2.6
1984	5,197	106	2.0
1986	5,146	96	1.9
Midwest			
1976	6,146	295	4.8
1978	6,245	260	4.2
1980	6,048	220	3.6
1982	5,979	197	3.3
1984	6,288	201	3.2
1986	5,072	182	3.6
Southern			
1976	5,830	269	4.6
1978	5,947	311	5.2
1980	6,209	286	4.6
1982	6,060	306	5.0
1984	6,478	293	4.5
1986	5,731	235	4.1
Western			
1976	2,596	62	2.3
1978	2,527	65	2.6
1980	2,517	87	3.5
1982	2,370	77	3.2
1984	2,564	94	3.7
1986	2,425	98	4.0

Unfilled Faculty Positions by Clinical Area (Table F-7)

- Of the unfilled positions in all programs, 29 percent were found in the medical-surgical area. This figure reflects the typical practice in nursing programs of having more positions for medical-surgical nursing faculty than for any other clinical specialty area.

- The percentages reported by type of program reflect curriculum differences among the types of programs. For example, 96 percent of the unfilled community health positions are in baccalaureate and higher degree programs, where there is more emphasis on this specialty than in other programs. Nevertheless, 17 percent of the unfilled positions in diploma programs this year were in community health, the majority of them in the Midwest.

- Since 1982, there have been increases in the percentages of unfilled positions for nurse-generalists.

- In baccalaureate and higher degree programs, 7.2 percent of the unfilled positions are in the area of teaching research and/or computer applications.

- To summarize, faculty positions for nurse-generalists and those teaching community health nursing are opening up. On the other hand, openings for faculty positions in medical-surgical, maternal-child, psychiatric-mental health, community health, and primary care nursing are decreasing.

Table F-7
PERCENT OF UNFILLED POSITIONS BY PROGRAM TYPE AND CLINICAL SPECIALIZATION

NLN REGION	TOTAL UNFILLED BUDGETED POSITIONS		CONTENT AREA OR NURSING SPECIALIZATION								
	Number	Percent	Medical-Surgical	Maternal-Child	Psychiatric-Mental Health	Community Health	Geriatric-Aging	Primary Care	Generalist	Research/ Computers	Other
ALL REPORTING PROGRAMS											
All Regions	611	100.0	28.6	18.8	12.3	13.8	2.6	3.0	6.6	5.6	8.8
North Atlantic	96	100.0	36.5	22.9	8.3	7.3	3.1	1.0	7.3	5.2	8.3
Midwestern	182	100.0	28.6	18.7	11.5	14.8	3.3	3.3	5.5	5.0	9.3
Southern	235	100.0	28.1	20.0	15.7	11.9	2.1	3.8	6.4	5.1	6.8
Western	98	100.0	22.5	12.2	9.2	22.5	2.0	2.0	8.2	8.2	13.3
BACCALAUREATE AND HIGHER DEGREE PROGRAMS											
All Regions	402	100.0	23.4	17.9	11.4	17.7	3.5	4.2	4.2	7.2	10.5
North Atlantic	55	100.0	27.3	23.6	7.3	12.7	5.5	1.8	1.8	9.1	10.9
Midwestern	113	100.0	26.6	17.7	11.5	15.0	4.4	4.4	4.4	6.2	9.7
Southern	160	100.0	20.6	19.4	13.1	15.6	2.5	5.6	5.6	7.5	10.0
Western	74	100.0	21.6	10.8	10.8	29.7	2.7	2.7	2.7	6.8	12.2
ASSOCIATE DEGREE PROGRAMS											
All Regions	138	100.0	34.1	21.7	17.4	0.7	1.5	0.7	15.2	2.9	5.8
North Atlantic	23	100.0	34.8	17.4	13.0	0.0	0.0	0.0	26.1	0.0	8.7
Midwestern	31	100.0	29.0	19.4	16.1	0.0	3.2	3.2	9.7	3.2	16.1
Southern	63	100.0	38.1	25.4	23.8	1.6	1.6	0.0	9.5	0.0	0.0
Western	21	100.0	28.6	19.1	4.8	0.0	0.0	0.0	28.6	14.3	4.8
DIPLOMA PROGRAMS											
All Regions	71	100.0	47.9	18.3	7.0	16.9	0.0	0.0	2.8	1.4	5.6
North Atlantic	18	100.0	66.7	27.8	5.6	0.0	0.0	0.0	0.0	0.0	0.0
Midwestern	38	100.0	34.2	21.1	7.9	26.3	0.0	0.0	5.3	2.6	2.6
Southern	12	100.0	75.0	0.0	8.3	16.7	0.0	0.0	0.0	0.0	0.0
Western	3	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0

Assignment of Full-Time Faculty to Baccalaureate or Graduate Teaching (Table F-8)

- In baccalaureate and higher degree programs with graduate programs, 26.5 percent of the faculty teach exclusively at the graduate level, 27.5 percent teach at both undergraduate and graduate levels, and 46 percent teach at the undergraduate level only.
- In the North Atlantic and Southern regions, a similar percentage of faculty teach at the graduate level only as at both graduate and undergraduate levels. In the Western region, 45.9 percent of the faculty teach at both levels, and 14.9 percent teach at the graduate level only. In contrast, in the midwestern region, 33 percent of the faculty teach at the graduate level, and 18.7 percent teach at both levels.
- There continues to be a significant increase over previous years in the percentage of faculty teaching in graduate programs and a decrease in the percentage of faculty teaching only at the undergraduate level.

Table F-8

ASSIGNMENT OF FULL-TIME FACULTY TO BACCALAUREATE OR GRADUATE TEACHING, BY REGION: 1976–1986

NLN REGION BY YEAR	ASSIGNMENT OF FULL TIME FACULTY							
	Total Full Time Faculty		Exclusively to Graduate Programs		Part Time to Baccalaureate Programs Part Time to Graduate Programs		Exclusively to Baccalaureate Programs	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Regions								
1976	4,612	100.0	3,176	68.9	724	15.7	712	15.4
1978	4,344	100.0	2,744	63.2	890	20.5	710	16.3
1980	4,965	100.0	3,103	62.5	1,069	21.5	793	16.0
1982	4,969	100.0	3,044	61.2	1,042	21.0	883	17.8
1984	4,122	100.0	2,615	63.4	730	17.7	777	18.9
1986	4,020	100.0	1,850	46.0	1,064	26.5	1,106	27.5
North Atlantic								
1976	922	100.0	626	67.9	176	19.1	120	13.0
1978	989	100.0	594	60.1	273	27.6	122	12.3
1980	1,083	100.0	631	58.3	335	30.9	117	10.8
1982	1,121	100.0	590	52.6	309	27.6	222	19.8
1984	915	100.0	595	65.0	170	18.6	150	16.4
1986	835	100.0	381	45.6	228	27.3	226	27.1
Midwestern								
1976	1,203	100.0	898	74.6	197	16.4	108	9.0
1978	1,174	100.0	790	67.3	237	20.2	147	12.5
1980	1,510	100.0	927	61.4	287	19.0	296	19.6
1982	1,483	100.0	975	65.7	302	20.4	206	13.9
1984	1,132	100.0	800	70.7	167	14.8	165	14.6
1986	1,256	100.0	611	48.6	415	33.0	230	18.7
Southern								
1976	1,678	100.0	1,244	74.1	194	11.6	240	14.3
1978	1,403	100.0	997	71.1	228	16.2	178	12.7
1980	1,816	100.0	1,219	67.1	314	17.3	283	15.6
1982	1,783	100.0	1,142	64.1	352	19.7	289	16.2
1984	1,477	100.0	879	59.5	277	18.8	321	21.7
1986	1,273	100.0	601	47.2	323	25.4	349	27.4
Western								
1976	809	100.0	408	50.4	157	19.4	244	30.2
1978	778	100.0	363	46.7	152	19.5	263	33.8
1980	556	100.0	326	58.6	133	23.9	97	17.5
1982	582	100.0	337	57.9	79	13.6	166	28.5
1984	598	100.0	341	57.0	116	19.4	141	23.6
1986	656	100.0	257	39.2	98	14.9	301	45.9

Role of Part-time Faculty by Type of Program (Table F-9)

- Table F-9 presents the percentage of part-time faculty in each teaching role.
- In associate degree programs, the majority of part-time faculty (59.8%) are teaching in the clinical area. Similarly, the majority of part-time faculty in generic baccalaureate programs (50.2%) are in clinical teaching.
- In diploma programs, the majority of part-time faculty (54.9%) teach in both the classroom and the clinical area.
- In baccalaureate programs for registered nurses and in graduate programs, the largest percentage of part-time faculty (42.5% and 43.5%, respectively) are teaching in the classroom.

Table F-9
ROLE OF PART-TIME FACULTY, BY TYPE OF PROGRAM: PERCENT IN EACH TEACHING ROLE

TEACHING ROLE	ALL PROGRAMS		BACCALAUREATE AND HIGHER DEGREE PROGRAMS			ASSOCIATE DEGREE PROGRAMS (percent)	DIPLOMA PROGRAMS (percent)
	Number of Part-Time Faculty	Percent	Graduate Teaching (percent)	Undergraduate Teaching (percent)	Baccalaureate Programs for RNs only (percent)		
Clinical teaching	2.950	48 0	16 7	50 2	24 3	59 8	20.8
Classroom teaching	806	13 1	43 5	12 6	42 5	5 0	14 5
College/school laboratory	232	3 8	1 2	4 0	1 1	4 9	1 0
Class and clinical	1.565	25 5	33 1	26 2	23 8	17 4	54 9
Class and laboratory	504	8 2	2 0	6 2	5 6	11 1	8 5
Clinical and laboratory	86	1 4	3 5	0 7	2 7	1 8	0 3
Total	6.143	100 0	100 0	100 0	100 0	100 0	100.0

Highest Earned Credentials

Highest Earned Credentials of Administrators, 1968-1986 (Table F-10)

- The term "administrator" refers to the chief administrative officer of a nursing program, who may have the title of dean, director, or chairperson.

- The data for the highest earned credential of administrators in each type of nursing education program 1986 are represented graphically in Figure F-8.

- The number and percentage of administrators of nursing programs with earned doctorates continue to increase. Almost 42 percent of all administrators reported possessing an earned doctorate in 1986. Seventy-seven percent of administrators of baccalaureate and higher degree programs hold doctorates.

- The number and percentage of nursing education administrators with neither a doctorate nor a master's degree are decreasing for associate degree and diploma programs. The number of administrators with no graduate degrees is now 0.4 percent for baccalaureate and higher degree programs.

- For all types of programs, there continues to be a decrease in the percentage of nursing education administrators with the master's degree as their highest earned credential.

Table F-10

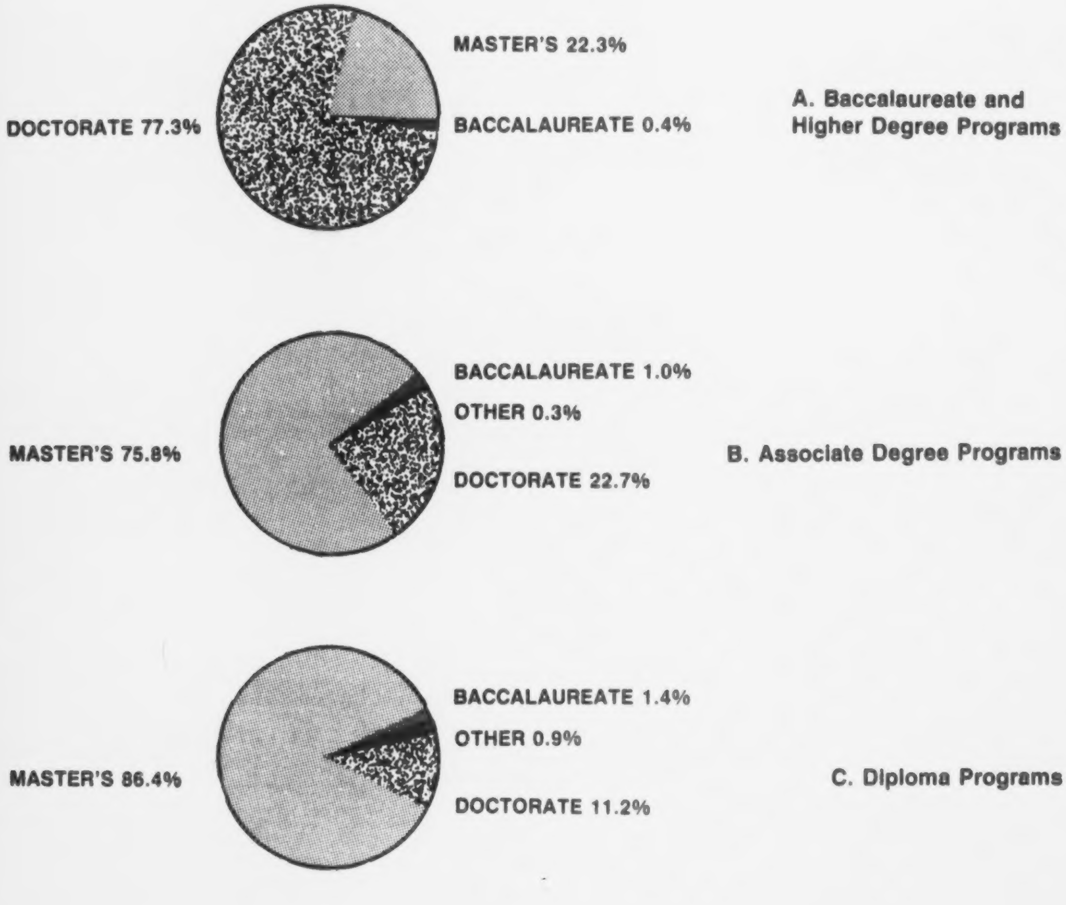
HIGHEST EARNED CREDENTIAL OF NURSING EDUCATION ADMINISTRATORS, BY TYPE OF PROGRAM: 1968-1986

YEAR	TOTAL ADMINISTRATORS REPORTED		HIGHEST EARNED CREDENTIAL							
			DOCTORATE		MASTER'S		BACCALAUREATE		OTHER	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
ALL REPORTING PROGRAMS										
1968	1,225	100.0	112	9.1	972	79.4	141	11.5	0	0.0
1970	1,287	100.0	155	12.0	1,010	78.5	119	9.3	3	0.2
1972	1,260	100.0	171	13.6	997	79.1	87	6.9	5	0.4
1974	1,310	100.0	203	15.5	1,032	78.8	75	5.7	0	0.0
1976	1,317	100.0	252	19.2	1,001	76.0	61	4.6	2	0.2
1978	1,270	100.0	297	23.4	939	73.9	34	2.7	0	0.0
1980	1,344	100.0	355	26.4	960	71.4	29	2.2	0	0.0
1982	1,348	100.0	432	32.1	898	66.6	18	1.3	0	0.0
1984	1,499	100.0	524	35.0	937	62.5	38	2.5	0	0.0
1986	1,439	100.0	601	41.8	821	57.1	12	0.8	5	0.3
BACCALAUREATE AND HIGHER DEGREE PROGRAMS										
1968	228	100.0	85	37.3	142	62.3	1	0.4	0	0.0
1970	255	100.0	113	44.3	141	55.3	1	0.4	0	0.0
1972	274	100.0	142	51.8	131	47.8	1	0.4	0	0.0
1974	301	100.0	166	55.2	134	44.5	1	0.3	0	0.0
1976	347	100.0	205	59.1	140	40.3	2	0.6	0	0.0
1978	343	100.0	239	69.7	102	29.7	2	0.6	0	0.0
1980	414	100.0	269	65.0	144	34.8	1	0.2	0	0.0
1982	453	100.0	321	70.9	132	29.1	0	0.0	0	0.0
1984	535	100.0	381	71.2	154	28.8	0	0.0	0	0.0
1986	547	100.0	423	77.3	122	22.3	2	0.4	0	0.0
ASSOCIATE DEGREE PROGRAMS										
1968	267	100.0	15	5.6	244	91.4	8	3.0	0	0.0
1970	382	100.0	26	6.8	344	90.1	12	3.1	0	0.0
1972	441	100.0	19	4.3	402	91.2	20	4.5	0	0.0
1974	532	100.0	29	5.5	481	90.4	22	4.1	0	0.0
1976	572	100.0	40	7.0	505	88.3	25	4.3	2	0.4
1978	590	100.0	50	8.5	526	89.1	14	2.4	0	0.0
1980	634	100.0	77	12.2	539	85.0	18	2.8	0	0.0
1982	620	100.0	99	16.0	511	82.4	10	1.6	0	0.0
1984	712	100.0	128	18.0	552	77.5	32	4.5	0	0.0
1986	678	100.0	154	22.7	514	75.8	7	1.0	3	0.3
DIPLOMA PROGRAMS										
1968	730	100.0	12	1.6	586	80.3	132	18.1	0	0.0
1970	650	100.0	16	2.5	525	80.8	106	16.3	3	0.4
1972	545	100.0	10	1.8	464	85.2	66	12.1	5	0.9
1974	477	100.0	8	1.7	417	87.4	52	10.9	0	0.0
1976	398	100.0	8	2.0	356	89.5	34	8.5	0	0.0
1978	337	100.0	8	2.4	311	92.3	18	5.3	0	0.0
1980	296	100.0	9	3.0	277	93.6	10	3.4	0	0.0
1982	275	100.0	12	4.4	255	92.7	8	2.9	0	0.0
1984	252	100.0	15	6.0	231	91.7	6	2.4	0	0.0
1986	214	100.0	24	11.2	185	86.4	3	1.4	2	0.9

Highest Earned Credentials of Administrators, 1986 (Figure F-8)

- These pie graphs show the percentages of chief administrators of each type of nursing education program holding doctoral, master's, or baccalaureate degrees as their highest earned credential. These data are presented and discussed in Table F-10.
- The graphs illustrate that a significantly greater percentage of doctorally prepared administrators are found in baccalaureate and higher degree programs.
- The percentage of administrators with a doctorate as their highest earned credential is 77.3 percent in baccalaureate and higher degree programs, 22.7 percent in associate degree programs, and 11.2 percent in diploma programs.

Figure F-8
HIGHEST EARNED CREDENTIALS OF ADMINISTRATORS, BY PROGRAM TYPE: 1986



A. Baccalaureate and Higher Degree Programs

B. Associate Degree Programs

C. Diploma Programs

Highest Earned Credentials of Associate/Assistant Administrators by Type of Nursing Program (Table F-11)

- The position of associate or assistant administrator is reported much more frequently in baccalaureate and higher degree programs and in diploma programs than in associate degree programs. Typically, however, an associate degree program has less faculty than the other two types of programs (see Table F-5).

- Associate or assistant administrators in baccalaureate and higher degree programs are more likely to have a doctorate (58.4%) than those in associate degree programs (13.2%) or in diploma programs (8.8%).

- In associate degree and diploma programs, a large majority of associate or assistant administrators have master's degrees (78.8% and 82.4%, respectively).

Table F-11
HIGHEST EARNED CREDENTIAL OF ASSOCIATE/ASSISTANT ADMINISTRATORS, BY TYPE OF PROGRAM

HIGHEST CREDENTIAL	ALL PROGRAMS		BACCALAUREATE AND HIGHER DEGREE		ASSOCIATE DEGREE		DIPLOMA	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total	1.064	100.0	537	100.0	288	100.0	239	100.0
Doctorate-Total	373	35.1	314	58.4	38	13.2	21	8.8
Nursing	117	11.0	106	19.7	7	2.4	4	1.7
Non-Nursing	256	24.1	208	38.7	31	10.8	17	7.1
Master's Degree-Total	638	60.0	214	39.9	227	78.8	197	82.4
Nursing	458	43.0	183	34.1	166	57.6	109	45.6
Non-Nursing	180	16.9	31	5.8	61	21.2	88	36.8
Baccalaureate-Total	45	4.2	7	1.3	22	7.6	16	6.7
Nursing	36	3.4	6	1.1	19	6.6	11	4.6
Non-Nursing	9	0.8	1	0.2	3	1.0	5	2.1
Other	8	0.8	2	0.4	1	0.3	5	2.1

Highest Earned Credentials of Full-Time Faculty by Program Type, 1968-1986 (Table F-12)

- There has been a consistent increase in the number of full-time faculty with doctoral and master's degrees since 1968. (The table excludes chief administrators.)

- Fifty-one percent of the master's prepared faculty are teaching in baccalaureate and higher degree programs.

- The number of doctorally prepared full-time faculty reported in baccalaureate and higher degree programs has increased from 621 in 1974 to 2,176 in 1986—a greater than threefold increase over the twelve-year period. At present, 98 percent of full-time faculty in baccalaureate and higher degree programs have a graduate degree. This figure includes 74.5 percent with a master's degree and 23.7 percent with a doctorate as highest earned credential.

- The percentage of full-time doctorally prepared faculty teaching in associate degree programs has increased to 3.1 percent in 1986. For the same time period, the percentage of master's prepared faculty continued to increase to 80.1 percent.

- The number of full-time faculty in diploma education with doctorates doubled in the last two years, now numbering 28, while the percentage of diploma faculty with a master's degree has increased steadily, reaching 66 percent this year. Diploma faculty without graduate degrees continued to decline.

- These data are represented graphically in Figure F-9.

Table F-12

HIGHEST EARNED CREDENTIAL OF FULL-TIME NURSE FACULTY, BY TYPE OF PROGRAM: 1968-1986[1]

YEAR	TOTAL FACULTY REPORTED		HIGHEST EARNED CREDENTIAL									
			DOCTORATE		MASTER'S		BACCALAUREATE		ASSOCIATE DEGREE		DIPLOMA	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
ALL REPORTING PROGRAMS												
1968	14,974	100.0	265	1.8	6.209	41.5	6.071	40.5	62	0.4	2.367	15.8
1970	15.555	100.0	334	2.1	6.781	43.6	6.372	41.0	78	0.5	1.990	12.8
1972	16,794	100.0	445	2.6	8.139	48.5	6.589	39.2	66	0.4	1.555	9.3
1974	19.204	100.0	682	3.6	9.985	52.0	7.110	37.0	.18	0.6	1.309	6.8
1976	20.572	100.0	887	4.3	11.687	56.8	6.975	33.9	138	0.7	885	4.3
1978	20.217	100.0	1.062	5.3	12.637	62.5	5.865	29.0	83	0.4	570	2.8
1980	20,355	100.0	1.418	7.0	13.826	67.9	4.687	23.0	61	0.3	363	1.8
1982	19,742	100.0	1,657	8.4	14,085	71.3	3,751	19.0	35	0.2	214	1.1
1984	20,221	100.0	2,143	10.6	14,797	73.2	3,104	15.4	40	0.2	137	0.7
1986	17,978	100.0	2.404	13.0	13.480	75.0	1.969	10.7	46	0.2	79	0.4
BACCALAUREATE AND HIGHER DEGREE												
1968	4,289	100.0	240	5.6	3.435	80.1	607	14.1	2	0.1	5	0.1
1970	4,887	100.0	305	6.2	3.864	79.1	692	14.2	5	0.1	21	0.4
1972	5,534	100.0	408	7.4	4.530	81.9	594	10.7	0	0.0	2	0.0
1974	7,044	100.0	621	8.8	5.578	79.2	833	11.8	5	0.1	7	0.1
1976	8.567	100.0	817	9.5	6.737	78.7	984	11.5	19	0.2	10	0.1
1978	8,794	100.0	992	11.3	7.072	80.4	717	8.2	4	0.0	9	0.1
1980	9,531	100.0	1.278	13.4	7.763	81.4	485	5.1	0	0.0	5	0.1
1982	9,502	100.0	1,533	16.1	7.647	80.5	321	3.4	0	0.0	1	0.0
1984	9,827	100.0	1,967	20.0	7,594	77.3	259	2.6	3	0.0	3	0.0
1986	9,184	100.0	2,176	23.7	6,844	74.5	164	1.8	0	0.0	0	0.0
ASSOCIATE DEGREE PROGRAMS												
1968	1.646	100.0	11	0.7	1.021	62.0	574	34.9	6	0.4	34	2.0
1970	2.461	100.0	10	0.4	1,444	58.7	947	38.5	24	1.0	36	1.4
1972	3,588	100.0	25	0.7	2.077	57.9	1.401	39.0	27	0.8	58	1.6
1974	4,995	100.0	46	0.9	2,824	56.5	1.962	39.3	60	1.2	103	2.1
1976	5,680	100.0	57	1.0	3.304	58.2	2,147	37.8	63	1.1	109	1.9
1978	5,939	100.0	56	0.9	3.795	63.9	1.927	32.5	56	0.9	105	1.8
1980	6,036	100.0	128	2.1	4.216	69.8	1,593	26.4	34	0.6	65	1.1
1982	5,863	100.0	108	1.8	4.394	74.9	1,295	22.1	27	0.5	39	0.7
1984	6,452	100.0	162	2.5	4,977	77.1	1,238	19.2	30	0.5	45	0.7
1986	5,907	100.0	200	3.4	4,729	80.1	929	15.7	23	0.4	29	0.5
DIPLOMA PROGRAMS												
1968	9.039	100.0	14	0.2	1,753	19.4	4.890	54.1	54	0.6	2,328	25.7
1970	8.207	100.0	19	0.2	1,473	17.9	4.733	57.7	49	0.6	1,933	23.6
1972	7,672	100.0	12	0.1	1,532	20.0	4.594	59.9	39	0.5	1,495	19.5
1974	7,165	100.0	15	0.2	1,583	22.1	4.315	60.2	53	0.8	1,199	16.7
1976	6.325	100.0	13	0.2	1,646	26.0	3.844	60.8	56	0.9	786	12.1
1978	5,484	100.0	14	0.3	1,770	32.3	3.221	58.7	23	0.4	456	8.3
1980	4,788	100.0	12	0.2	1,847	38.6	2,609	54.5	27	0.6	293	6.1
1982	4.377	100.0	16	0.3	2,044	46.7	2,135	48.8	8	0.2	174	4.0
1984	3.942	100.0	14	0.4	2,226	56.5	1,606	40.7	7	0.2	89	2.3
1986	2,884	100.0	28	1.0	1,907	66.1	876	30.4	23	0.8	50	1.7

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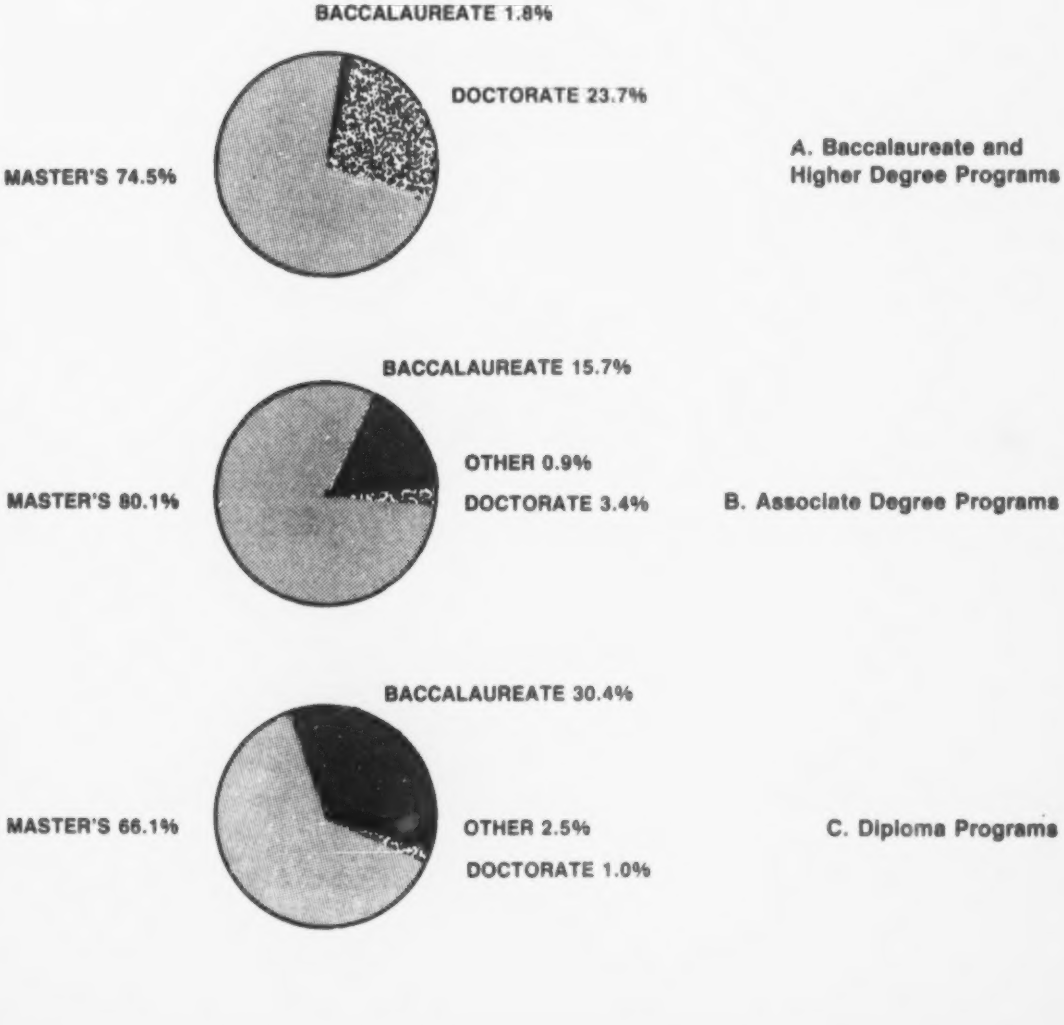
[1] Chief administrator of programs not included in this table

Highest Earned Credentials of Full-Time Faculty by Program Type, 1986 (Figure F-9)

- These pie graphs show the percentages of full-time faculty in each type of nursing education program holding the various academic credentials. These data are presented and discussed in Table F-12.
- The percentage of full-time faculty with graduate degrees is 98.2 percent in baccalaureate and higher degree programs, 83.5 percent in associate degree programs, and 67.1 percent in diploma programs.

Figure F-9
HIGHEST EARNED CREDENTIALS OF FULL-TIME NURSE FACULTY, BY PROGRAM TYPE: 1986



Credentials of Part-Time Faculty by Program Type, 1968-1986 (Table F-13)

- Between 1984 and 1986, there was an increase in the percentage of all part-time faculty with doctoral degrees from 3.2 to 5.7 percent.

- In baccalaureate and higher degree programs, 89.8 percent of the part-time faculty had graduate preparation. This figure included 9.5 percent with doctorates and 80.3 percent with master's degrees as their highest earned credentials.

- There has been a continuing decrease in the percentage of part-time faculty in baccalaureate and higher degree programs with only a baccalaureate degree.. Between 1976 and 1986, this percentage dropped from 31.1 percent to 10.1 percent.

- Associate degree programs experienced a continued increase in the percentage of master's prepared faculty, which increased from 39.2 percent in 1984 to 47.5 percent in 1986.

- Over 49 percent of part-time faculty teaching in associate degree programs reported having a graduate degree. This figure includes slightly less than 2 percent with doctorates; the remaining 47.5 percent had master's degrees as their highest earned credential.

- Of the part-time faculty in diploma programs, 47.7 percent had graduate preparation, with 1.7 percent holding doctoral degrees. Faculty with baccalaureate degrees no longer constitute the majority of part-time diploma faculty.

Table F-13

HIGHEST EARNED CREDENTIAL OF PART-TIME NURSE FACULTY, BY TYPE OF PROGRAM: 1968-1986

YEAR	TOTAL PART-TIME FACULTY REPORTED		HIGHEST EARNED CREDENTIAL									
			DOCTORATE		MASTER'S		BACCALAUREATE		ASSOCIATE DEGREE		DIPLOMA	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
ALL REPORTING PROGRAMS												
1968	2.335	100.0	35	1.5	719	30.8	995	42.6	10	0.4	576	24.7
1970	2.556	100.0	45	1.8	842	32.9	1.124	44.0	19	0.7	526	20.6
1972	2.879	100.0	73	2.5	1.054	36.6	1.343	46.7	30	1.0	379	13.2
1974	3.780	100.0	104	2.8	1.381	36.5	1.815	48.0	46	1.2	434	11.5
1976	4.121	100.0	116	2.8	1.626	39.4	1.952	47.4	57	1.4	370	9.0
1978	4.457	100.0	131	2.9	1,975	44.3	2.043	45.9	49	1.1	259	5.8
1980	4.781	100.0	114	2.4	2.379	49.8	1,977	41.3	72	1.5	239	5.0
1982	5,167	100.0	189	3.7	2.673	51.7	2.089	40.4	64	1.3	152	2.9
1984	6,295	100.0	200	3.2	3.488	55.4	2.355	37.4	97	1.5	155	2.6
1986	5,818	100.0	330	5.7	3.728	64.1	1.645	28.3	41	0.7	74	1.3
BACCALAUREATE AND HIGHER DEGREE PROGRAMS												
1968	520	100.0	18	3.4	329	63.3	168	32.3	0	0.0	5	1.0
1970	677	100.0	22	3.2	440	65.0	197	29.1	0	0.0	18	2.7
1972	877	100.0	39	4.5	566	64.5	266	30.3	0	0.0	6	0.7
1974	1,338	100.0	76	5.7	819	61.2	431	32.2	1	0.1	11	0.8
1976	1,761	100.0	91	5.2	1,098	62.4	548	31.1	6	0.3	18	1.0
1978	1.919	100.0	109	5.7	1.278	66.6	522	27.2	0	0.0	10	0.5
1980	2.108	100.0	96	4.6	1.589	75.4	418	19.8	4	0.2	0	0.0
1982	2,254	100.0	177	7.9	1,672	74.2	404	17.9	0	0.0	1	0.0
1984	2,726	100.0	170	6.2	2.138	78.4	416	15.3	2	0.0	0	0.0
1986	2.962	100.0	282	9.5	2.379	80.3	299	10.1	0	0.0	2	0.1
ASSOCIATE DEGREE PROGRAMS												
1968	172	100.0	0	0.0	55	32.0	98	57.0	4	2.3	15	8.7
1970	298	100.0	1	0.3	97	32.6	170	57.0	5	1.7	25	8.4
1972	660	100.0	3	0.5	207	31.4	389	58.9	16	2.4	45	6.8
1974	1,210	100.0	17	1.4	357	29.5	685	56.6	30	2.5	121	10.0
1976	1.419	100.0	18	1.3	357	25.2	874	61.6	40	2.8	130	9.1
1978	1.622	100.0	8	0.5	486	30.0	989	61.0	43	2.6	96	5.9
1980	1.852	100.0	12	0.7	580	31.3	1.082	58.4	63	3.4	115	6.2
1982	2.146	100.0	7	0.3	768	35.8	1.240	57.8	57	2.7	74	3.4
1984	2,821	100.0	24	0.9	1.106	39.2	1.495	53.0	91	3.2	105	3.7
1986	2.317	100.0	39	1.7	1.101	47.5	1.093	47.2	40	1.7	44	1.9
DIPLOMA PROGRAMS												
1968	1.643	100.0	17	1.0	355	20.4	729	44.4	6	0.4	556	33.8
1970	1.581	100.0	17	1.0	305	19.3	757	47.9	14	0.9	483	30.5
1972	1.342	100.0	31	2.3	281	20.9	688	51.3	14	1.0	328	24.5
1974	1.232	100.0	11	0.9	205	16.7	699	56.7	15	1.2	302	24.5
1976	941	100.0	7	0.7	171	18.2	530	56.3	11	1.2	222	23.6
1978	916	100.0	14	1.5	211	23.0	532	58.1	6	0.7	153	16.7
1980	821	100.0	6	0.7	210	25.6	477	58.1	8	1.0	120	14.2
1982	767	100.0	5	0.7	233	30.4	445	58.0	7	0.9	77	10.0
1984	748	100.0	6	0.8	244	32.6	444	59.4	4	0.5	50	6.7
1986	539	100.0	9	1.7	248	46.0	253	46.9	1	0.2	28	5.2

Credentials of Full-Time Faculty by Region, 1972-1986 (Table F-14)

- All NLN regions showed a steady increase in the percentage of full-time faculty holding a doctoral degree.
- The North Atlantic and Western regions had the greatest increases in the last two years of faculty prepared at the doctoral level (3.8% and 3.4%, respectively).
- The West had the highest percentage of faculty with doctorates (19.2%), while the Midwest had the lowest (9.8%).
- The Midwest had the highest percentage of faculty without a graduate degree (15.2%), while the West had the lowest (7%).

Table F-14

HIGHEST EARNED CREDENTIAL OF FULL-TIME FACULTY, BY NLN REGION: 1972-1986

YEAR BY NLN REGION	TOTAL FULL-TIME FACULTY REPORTED		HIGHEST EARNED CREDENTIAL									
			Doctorate		Master's		Baccalaureate		Associate Degree		Diploma	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
North Atlantic												
1972	5,948	100.0	163	2.7	2,816	47.3	2,313	38.9	22	0.4	634	10.7
1974	6,232	100.0	216	3.5	3,205	51.4	2,282	36.6	42	0.7	487	7.8
1976	6,000	100.0	249	4.2	3,420	57.0	1,987	33.1	40	0.6	304	5.0
1978	5,498	100.0	273	5.0	3,508	63.8	1,514	27.5	18	0.3	185	3.4
1980	5,581	100.0	428	7.7	3,806	68.2	1,205	21.6	13	0.2	129	2.3
1982	5,333	100.0	493	9.2	3,798	71.2	953	17.9	8	0.2	81	1.5
1984	5,128	100.0	535	10.4	3,763	73.4	779	15.2	14	0.3	37	0.7
1986	4,980	100.0	705	14.2	3,731	74.9	513	10.3	16	0.3	15	0.3
Midwestern												
1972	4,961	100.0	106	2.1	2,116	42.7	2,155	43.4	13	0.3	571	11.5
1974	5,693	100.0	176	3.1	2,596	45.6	2,403	42.2	23	0.4	495	8.7
1976	6,146	100.0	231	3.8	3,044	49.5	2,496	40.6	31	0.5	344	5.6
1978	6,245	100.0	295	4.7	3,406	54.5	2,296	36.8	26	0.4	222	3.6
1980	6,048	100.0	351	5.8	3,697	61.1	1,836	30.4	27	0.4	137	2.3
1982	5,979	100.0	428	7.2	3,936	65.8	1,522	25.4	11	0.2	82	1.4
1984	6,299	100.0	537	8.5	4,448	70.6	1,243	19.7	7	0.1	64	1.0
1986	4,930	100.0	485	9.8	3,690	74.9	702	14.2	7	0.1	46	0.9
Southern												
1972	3,857	100.0	99	2.6	1,831	47.5	1,601	41.5	27	0.7	299	7.7
1974	4,906	100.0	168	3.4	2,456	50.1	1,948	39.7	40	0.8	294	6.0
1976	5,830	100.0	237	4.1	3,249	55.7	2,093	35.9	46	0.8	205	3.5
1978	5,947	100.0	282	4.7	3,779	63.5	1,724	29.0	28	0.5	134	2.3
1980	6,209	100.0	378	6.1	4,361	70.2	1,364	22.0	18	0.3	88	1.4
1982	6,060	100.0	466	7.7	4,507	74.4	1,030	17.0	11	0.2	46	0.7
1984	6,295	100.0	676	10.7	4,709	74.8	863	13.7	15	0.2	32	0.5
1986	5,762	100.0	772	13.4	4,357	75.6	601	10.4	18	0.3	14	0.2
Western												
1972	2,028	100.0	77	3.8	1,376	67.9	520	25.6	4	0.2	51	2.5
1974	2,373	100.0	122	5.1	1,728	72.8	477	20.1	13	0.6	33	1.4
1976	2,596	100.0	170	6.5	1,974	76.1	399	15.4	21	0.8	32	1.2
1978	2,527	100.0	212	8.4	1,944	76.8	331	13.2	11	0.4	29	1.2
1980	2,517	100.0	261	10.4	1,962	77.9	282	11.2	3	0.1	9	0.4
1982	2,370	100.0	270	11.4	1,844	77.8	246	10.4	5	0.2	5	0.2
1984	2,499	100.0	395	15.8	1,877	75.1	219	8.8	4	0.2	4	0.2
1986	2,306	100.0	442	19.2	1,703	73.9	153	6.6	4	0.2	4	0.2

Credentials of Full-Time and Part-Time Faculty by State (Table F-15)

- In 1986, Alabama, California, Colorado, Hawaii, Nevada, Oregon, Washington, Wyoming, and the District of Columbia reported that more than 20 percent of full-time faculty (excluding administrators) had an earned doctorate as the highest credential.

- Twenty-five states reported that 10 to 20 percent of all full-time faculty held a doctorate as the highest credential.

- The states with over 150 full-time faculty members holding a doctorate were California, New York, Texas, and Pennsylvania.

- The states reporting the highest numbers of part-time faculty with doctoral degrees were California and New York.

- Pennsylvania and Ohio reported the highest numbers of full-time faculty members having the baccalaureate as their highest credential.

- The greatest numbers of full-time faculty holding an associate degree as their highest credential were found in Iowa, New York, Massachusetts, and North Carolina.

- Full-time faculty with diplomas in nursing as their highest credential were found in the highest numbers in Missouri, Iowa, and Ohio.

Table F-15
HIGHEST EARNED CREDENTIAL OF FULL-TIME AND PART-TIME FACULTY,[1] BY STATE

JURISDICTION	TOTAL PROGRAMS QUESTIONED	NUMBER PROGRAMS RESPONDING	FULL-TIME FACULTY Total	FULL-TIME Highest Earned Credential: Doctorate	Master's	Baccalaureate	Associate Degree	Diploma	PART-TIME FACULTY Total	PART-TIME Highest Earned Credential: Doctorate	Master's	Baccalaureate	Associate Degree	Diploma
Alabama	37	31	508	114	380	14	0	0	64	3	42	19	0	0
Alaska	2	2	25	4	21	0	0	0	10	0	5	5	0	0
Arizona	17	16	190	44	136	10	0	0	185	19	120	45	0	1
Arkansas	21	21	194	27	115	48	2	2	40	3	20	13	4	0
California	101	90	1,182	283	848	49	1	1	426	58	273	90	3	2
Colorado	17	14	138	31	104	2	1	0	72	5	53	14	0	0
Connecticut	22	18	221	40	174	7	0	0	117	8	84	25	0	0
Delaware	7	6	84	8	62	14	0	0	28	1	10	17	0	0
District of Columbia	6	6	125	35	90	0	0	0	37	3	34	0	0	0
Florida	45	36	445	66	310	68	0	1	147	4	76	67	0	0
Georgia	35	31	336	34	282	20	0	0	94	15	51	27	0	1
Hawaii	6	4	46	11	33	2	0	0	17	1	12	4	0	0
Idaho	8	7	57	3	46	8	0	0	15	1	7	7	0	0
Illinois	82	75	846	66	725	55	0	0	161	6	129	23	0	3
Indiana	42	38	502	60	412	30	0	0	180	12	118	50	0	0
Iowa	43	32	296	34	159	85	5	13	128	9	38	55	9	17
Kansas	32	29	258	29	188	41	0	0	63	6	43	14	0	0
Kentucky	31	25	224	6	202	16	0	0	57	2	38	17	0	0
Louisiana	23	22	353	43	286	24	0	0	30	0	26	4	0	0
Maine	12	10	94	7	77	9	1	0	17	0	9	8	0	0
Maryland	27	23	236	18	191	25	2	0	108	1	88	19	0	0
Massachusetts	56	50	668	100	496	63	7	2	342	10	268	62	0	2
Michigan	52	49	573	55	415	97	0	6	363	17	154	172	13	7
Minnesota	29	27	269	29	223	17	0	0	104	4	62	34	2	2
Mississippi	22	20	257	21	236	0	0	0	25	1	23	1	0	0
Missouri	48	39	456	47	306	88	0	15	115	9	62	43	0	1
Montana	4	4	85	4	77	4	0	0	16	0	10	6	0	0
Nebraska	16	15	218	7	188	21	0	2	53	2	38	13	0	0
Nevada	6	4	38	6	31	1	0	0	29	0	26	3	0	0
New Hampshire	11	8	70	6	42	22	0	0	21	1	14	6	0	0
New Jersey	46	40	476	48	393	34	0	1	138	4	119	14	0	1
New Mexico	15	13	82	12	54	15	1	0	19	0	11	8	0	0
New York	117	112	1,405	258	1,027	107	8	5	773	50	553	161	1	8
North Carolina	59	51	506	53	308	134	6	5	149	0	55	87	2	5
North Dakota	10	8	78	2	60	16	0	0	26	4	10	12	0	0
Ohio	72	70	959	95	647	206	1	10	324	15	158	138	2	11
Oklahoma	28	26	220	29	180	11	0	0	40	0	28	11	1	0
Oregon	18	14	167	36	115	15	0	1	53	4	36	13	0	0
Pennsylvania	109	102	1,481	180	1,037	257	0	7	380	20	245	109	0	6
Rhode Island	7	3	309	19	290	0	0	0	21	1	20	0	0	0
South Carolina	22	21	271	51	192	26	2	0	48	8	21	19	0	0
South Dakota	9	7	52	2	24	25	1	0	29	0	9	18	1	1
Tennessee	38	34	423	44	290	82	2	5	50	3	33	13	0	1
Texas	69	62	957	180	768	8	1	0	121	13	100	8	0	0
Utah	4	4	81	14	58	9	0	0	20	2	11	7	0	0
Vermont	7	7	47	4	42	1	0	0	16	0	8	8	0	0
Virginia	43	37	395	67	269	56	2	1	110	5	84	21	0	0
Washington	32	24	285	62	195	27	1	0	136	4	95	33	1	3
West Virginia	20	19	214	16	156	42	0	0	49	0	16	33	0	0
Wisconsin	37	34	477	66	371	40	0	0	212	8	147	55	0	2
Wyoming	5	5	33	9	18	6	0	0	17	1	8	8	0	0
American Samoa	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Guam	2	1	11	0	7	4	0	0	2	0	2	0	0	0
Puerto Rico	19	17	222	3	191	27	1	0	73	4	52	15	2	0
Virgin Islands	2	2	18	2	16	0	0	0	1	0	1	0	0	0
TOTAL	1,652	1,466	18,163	2,490	13,563	1,988	45	77	5,871	347	3,755	1,654	41	74

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[1] Excluding chief administrator of program.

Credentials of Full-Time Faculty in Accredited and Non-Accredited Programs (Table F-16)

- In the last 14 years, the percentage of faculty with doctoral degrees across all types of accredited programs has increased fivefold, from 3 percent in 1972 to 14.9 percent in 1986. In non-accredited programs, the percentage of doctorally prepared faculty is much lower, but over the 14-year period it has increased from 1.4 percent to 3.6 percent.

- Master's prepared faculty in both accredited and non-accredited programs have increased from about 48 or 49 percent to about 75 percent in the last 14 years.

- In accredited baccalaureate and higher degree programs, 98.5 percent of the faculty have a graduate degree, while in non-accredited programs 94.9 percent have a graduate degree.

- In accredited associate degree programs, 87.8 percent of faculty have a graduate degree. In contrast, in non-accredited programs only 72.3 percent of the faculty have graduate degrees.

- In accredited diploma programs, 66.2 percent of faculty had graduate preparation, compared with 60.5 percent in non-accredited diploma programs.

Table F-16

HIGHEST EARNED CREDENTIAL OF FULL-TIME FACULTY IN ACCREDITED AND NON-ACCREDITED PROGRAMS: 1972-1986

YEAR	ACCREDITED PROGRAMS						NON-ACCREDITED PROGRAMS					
	Number of Faculty	Doctorate %	Master's %	Baccalaureate %	Associate Degree %	Diploma %	Number of Faculty	Doctorate %	Master's %	Baccalaureate %	Associate Degree %	Diploma %
ALL REPORTING PROGRAMS												
1972	13.242	3.0	48.3	38.7	0.3	9.7	3.552	1.4	49.0	41.2	0.9	7.5
1974	15.138	4.0	52.5	36.0	0.4	7.1	4.066	1.8	50.2	41.0	1.3	5.7
1976	16.612	5.0	57.8	32.3	0.6	4.3	3.963	1.6	52.8	40.6	0.9	4.1
1978	16.483	5.9	63.2	27.9	0.3	2.7	3.734	2.1	59.3	34.1	1.1	3.4
1980	16.934	7.5	63.3	22.2	0.3	1.7	3.421	4.3	66.2	27.0	0.4	2.1
1982	16.713	9.3	71.7	17.9	0.1	1.0	3.029	3.7	69.4	25.1	0.5	1.3
1984	17.208	11.7	73.7	13.9	0.2	0.6	2.863	3.8	68.8	25.5	0.5	1.4
1986	15.541	14.9	74.6	9.6	0.2	0.3	2.431	3.6	75.6	19.5	0.4	1.0
BACCCALAUREATE AND HIGHER DEGREE												
1972	4.912	7.6	82.2	10.2	0.0	0.0	622	5.9	78.9	15.0	0.0	0.2
1974	6.193	9.2	79.9	10.9	0.0	0.0	851	6.2	74.1	18.6	0.3	0.8
1976	7.637	10.1	79.4	10.2	0.3	0.0	933	4.7	72.2	21.8	0.5	0.8
1978	7.842	11.9	81.1	7.0	0.0	0.0	952	6.1	75.1	17.9	0.4	0.5
1980	8.441	13.9	81.4	4.7	0.0	0.0	1.090	9.7	81.9	8.4	0.0	0.0
1982	8.632	16.8	80.0	3.2	0.0	0.0	870	9.3	84.9	5.3	0.0	0.0
1984	8.959	21.1	76.6	2.3	0.0	0.0	718	8.9	80.5	10.4	0.1	0.0
1986	8.429	25.3	73.2	1.5	0.0	0.0	752	6.1	88.8	5.1	0.0	0.0
ASSOCIATE DEGREE PROGRAMS												
1972	1.442	1.0	64.7	33.0	0.4	0.9	2.146	0.5	53.3	43.1	1.0	2.1
1974	2.349	1.1	63.5	33.6	0.9	0.9	2.646	0.7	50.4	44.3	1.5	3.1
1976	3.078	1.3	63.8	32.9	1.2	0.8	2.602	0.7	51.5	43.5	1.0	3.3
1978	3.464	1.0	68.2	29.3	0.8	0.7	2.475	0.8	58.0	36.8	1.1	3.3
1980	3.932	2.2	73.6	23.1	0.6	0.5	2.104	1.9	62.8	32.7	0.4	2.2
1982	3.838	2.1	80.2	17.2	0.3	0.2	2.025	1.3	65.0	31.3	0.8	1.6
1984	4.400	2.7	82.5	14.3	0.4	0.2	2.052	2.2	65.7	29.7	0.6	1.8
1986	4.266	3.7	84.1	11.9	0.3	0.1	1.641	2.5	69.8	25.7	0.5	1.5
DIPLOMA PROGRAMS												
1972	6.888	0.2	20.7	60.2	0.4	18.5	784	0.1	13.7	56.8	1.5	27.9
1974	6.596	0.2	22.8	60.3	0.7	16.0	569	0.2	13.7	59.4	1.7	25.0
1976	5.897	0.2	26.6	60.6	0.8	11.8	428	0.0	18.0	63.3	2.1	16.6
1978	5.177	0.3	32.9	58.5	0.3	8.0	307	0.0	21.2	62.5	2.9	13.4
1980	4.561	0.3	39.4	54.0	0.5	5.8	227	0.0	22.0	63.5	2.6	11.9
1982	4.243	0.4	47.1	48.4	0.2	3.9	134	0.0	33.6	61.2	0.0	5.2
1984	3.849	0.4	56.7	40.5	0.2	2.2	93	0.0	46.2	49.5	1.1	3.2
1986	2.846	1.0	66.2	30.3	0.8	1.7	38	0.0	60.5	36.8	0.0	2.6

Credentials of Part-Time Faculty in Accredited and Non-Accredited Programs (Table F-17)

- Seventy-three percent of part-time faculty in all accredited programs have graduate degrees, in contrast to 56 percent in non-accredited programs.

- The distribution of credentials of part-time faculty in baccalaureate and higher degree programs is very similar in accredited and non-accredited programs.

- Accredited associate degree programs have a higher percentage of part-time faculty with master's degree preparation (52.3%) than non-accredited programs (37.1%). A lower percentage of part-time faculty in accredited associate degree programs have the baccalaureate as their highest credential (44.1%) than in non-accredited programs (53.9%).

- Accredited diploma programs have a higher percentage (46.4%) of master's prepared faculty than do non-accredited programs (27.3%).

Table F-17
HIGHEST EARNED CREDENTIAL OF PART-TIME FACULTY IN ACCREDITED AND NON-ACCREDITED PROGRAMS: 1972-1986

YEAR	ACCREDITED PROGRAMS						NON-ACCREDITED PROGRAMS					
	Number of Faculty	Doctorate %	Master's %	Baccalaureate %	Associate Degree %	Diploma %	Number of Faculty	Doctorate %	Master's %	Baccalaureate %	Associate Degree %	Diploma %
ALL REPORTING PROGRAMS												
1972	2.213	2.5	38.0	45.0	1.2	13.3	666	2.7	32.0	52.3	0.4	12.6
1974	2,831	2.9	38.4	47.1	1.0	10.6	949	2.3	31.1	50.6	1.9	14.1
1976	3.175	3.1	42.9	45.4	0.9	7.7	946	1.9	28.0	53.9	3.1	13.1
1978	3,438	3.3	47.7	43.3	0.5	5.2	1,019	1.7	32.8	54.5	3.2	7.8
1980	3,791	2.7	53.0	39.3	0.9	4.1	990	1.2	37.3	49.2	3.7	8.6
1982	4,076	4.3	55.7	36.8	0.8	2.4	1,091	1.4	36.8	53.9	2.9	5.0
1984	4,943	3.4	60.7	33.8	0.6	1.6	1,352	2.4	36.2	50.7	4.9	5.7
1986	4,647	6.2	67.0	25.7	0.3	0.9	1,170	3.6	52.4	38.6	2.5	2.9
BACCCALAUREATE AND HIGHER DEGREE												
1972	750	4.4	67.1	28.1	0.0	0.4	127	4.7	49.6	43.3	0.0	2.4
1974	1.125	6.1	63.0	30.2	0.1	0.6	213	3.3	52.1	42.7	0.0	1.9
1976	1,540	4.8	62.8	31.4	0.3	0.7	221	7.7	58.8	29.4	0.9	3.2
1978	1.670	5.8	68.0	25.7	0.0	0.5	249	5.2	57.5	36.9	0.0	0.4
1980	1.866	4.7	75.6	19.5	0.0	0.2	242	3.7	73.6	22.3	0.4	0.0
1982	2,028	8.2	73.9	17.9	0.0	0.0	226	4.9	77.0	18.1	0.0	0.0
1984	2.404	6.2	80.3	13.5	0.0	0.0	322	6.2	64.6	28.6	0.0	0.0
1986	2,533	9.7	80.5	9.7	0.0	0.1	428	8.4	79.2	12.4	0.0	0.0
ASSOCIATE DEGREE PROGRAMS												
1972	314	0.0	35.4	58.3	4.1	2.2	346	0.9	27.7	59.5	0.9	11.0
1974	582	0.4	32.5	61.5	2.7	2.9	628	2.4	26.7	52.1	2.2	16.6
1976	742	2.4	31.1	61.5	1.8	3.2	677	0.0	18.6	61.7	4.0	15.7
1978	898	0.6	34.3	60.8	1.1	3.2	724	0.4	24.6	61.2	4.6	9.2
1980	1,141	0.9	34.8	58.9	2.3	3.1	711	0.3	25.7	57.7	5.1	11.2
1982	1,312	0.3	41.4	54.6	1.9	1.8	834	0.4	27.0	62.8	3.8	6.0
1984	1,815	0.7	39.4	50.5	1.4	1.6	1,006	1.2	27.3	57.5	6.5	7.6
1986	1,596	2.1	52.3	44.1	0.7	0.8	731	0.7	37.1	53.9	4.0	4.4
DIPLOMA PROGRAMS												
1972	1,149	1.9	19.8	52.3	1.2	24.8	193	4.7	28.0	45.0	0.0	22.3
1974	1.124	1.0	16.8	56.7	1.0	24.5	108	0.0	14.8	57.4	3.7	24.1
1976	893	0.7	18.2	56.3	1.2	23.6	48	2.1	18.8	56.2	0.0	22.9
1978	870	1.5	22.8	58.8	0.7	16.2	46	2.2	28.2	43.5	0.0	26.1
1980	784	0.6	25.8	57.9	1.0	14.7	37	2.7	21.6	62.2	0.0	13.5
1982	736	0.5	31.3	57.3	1.0	9.9	31	3.2	9.7	74.2	0.0	12.9
1984	724	0.7	32.7	59.3	0.6	6.8	24	4.2	29.2	62.5	0.0	4.2
1986	528	1.5	46.4	47.0	0.1	4.9	11	9.1	27.3	45.5	0.0	18.2

Nursing Versus Non-Nursing Degrees: Full-Time Faculty (Table F-18)

- This table reports the percentage of full-time faculty that have their highest degree in nursing or in another field. The information is presented by type of program and NLN region. When interpreting percentages, be sure to note the differences in actual numbers of faculty in each section of the table.

- Over all programs, 33.7 percent of the doctoral degrees are in nursing. The Western and North Atlantic regions have the highest percentage of nursing degrees (43.1% and 41.0%, respectively).

- In baccalaureate and higher degree programs, 35.7 percent of the full-time faculty with doctoral degrees have their doctorate in nursing. Again, the highest percentages are in the Western and North Atlantic regions.

- In baccalaureate and higher degree programs, 94.9 percent of the full-time faculty whose highest credential is a master's degree have their degree in nursing. In associate degree programs, 80 percent of the master's prepared faculty have degrees in nursing; in diploma programs, 63 percent of the master's prepared faculty have nursing degrees.

- Over all programs, 85.4 percent of the baccalaureate-prepared faculty have their degree in nursing. In baccalaureate and higher degree programs, 97 percent of the full-time faculty prepared at the baccalaureate level majored in nursing.

Table F-18

CREDENTIALS OF FULL-TIME FACULTY: PERCENTAGE OF NURSING AND NON-NURSING DEGREES, BY TYPE OF PROGRAM AND NLN REGION

NLN REGION	DOCTORATE			MASTER'S DEGREE			BACCALAUREATE		
	Total Number	Nursing Major (percent)	Non-Nursing Major (percent)	Total Number	Nursing Major (percent)	Non-Nursing Major (percent)	Total Number	Nursing Major (percent)	Non-Nursing Major (percent)
ALL REPORTING RN PROGRAMS									
All Regions	2,404	33.7	66.3	13,485	85.8	14.2	2,049	85.4	14.6
North Atlantic	705	41.0	59.0	3,731	87.6	12.4	513	89.6	10.4
Midwestern	485	22.5	77.5	3,690	81.4	18.6	782	81.6	18.4
Southern	772	28.6	71.4	4,361	89.2	10.8	601	86.2	13.8
Western	442	43.1	56.9	1,703	85.5	14.5	153	87.6	12.4
BACCALAUREATE AND HIGHER DEGREE PROGRAMS									
All Regions	2,176	35.7	64.3	6,844	94.9	5.1	164	97.0	3.0
North Atlantic	646	42.3	57.7	1,880	96.2	3.8	23	100.0	0.0
Midwestern	441	22.9	77.1	1,882	93.0	7.0	74	98.6	1.4
Southern	692	31.1	68.9	2,200	95.3	4.7	56	94.6	5.4
Western	397	47.4	52.6	882	95.0	5.0	11	90.9	9.1
ASSOCIATE DEGREE PROGRAMS									
All Regions	200	15.5	84.5	4,736	80.0	20.0	929	91.2	8.8
North Atlantic	39	35.9	64.1	1,013	85.8	14.2	109	90.8	9.2
Midwestern	36	22.2	77.8	1,130	75.8	24.2	310	92.3	7.7
Southern	80	7.5	92.5	1,812	81.4	18.6	372	91.9	8.1
Western	45	6.7	93.3	781	75.5	24.5	138	87.0	13.0
DIPLOMA PROGRAMS									
All Regions	28	7.1	92.9	1,907	63.3	36.7	876	84.9	15.1
North Atlantic	20	10.0	90.0	838	70.4	29.6	381	88.7	11.3
Midwestern	8	0.0	100.0	678	59.3	40.7	318	87.7	12.3
Southern	0	0.0	0.0	351	75.2	24.8	173	71.1	28.9
Western	0	0.0	0.0	40	70.0	30.0	4	100.0	0.0

Nursing Versus Non-Nursing Degrees: Part-Time Faculty (Table F-19)

- This table reports the percentage of part-time faculty that have their highest degree in nursing or in another field. The information is presented by type of program and NLN region. When interpreting percentages, be sure to note the differences in actual numbers of faculty in each section of the table.

- Of all part-time faculty with doctoral preparation, 22.4 percent have their degree in nursing.

- Among part-time faculty with a master's degree, 86.9 percent majored in nursing. In baccalaureate and higher degree programs, 91.8 percent of master's prepared part-time faculty have a nursing degree; in associate degree programs, 80.5 percent have a degree in nursing; and in diploma programs, 70 percent have a nursing degree.

- Across all programs, 94.3 percent of baccalaureate-prepared part-time faculty have a degree in nursing.

Table F-19
CREDENTIALS OF PART-TIME FACULTY: PERCENTAGE OF NURSING AND NON-NURSING DEGREES, BY TYPE OF PROGRAM AND REGION

NLN REGION	DOCTORATE			MASTER'S DEGREE			BACCALAUREATE		
	Total Number	Nursing Major (percent)	Non-Nursing Major (percent)	Total Number	Nursing Major (percent)	Non-Nursing Major (percent)	Total Number	Nursing Major (percent)	Non-Nursing Major (percent)
ALL REPORTING RN PROGRAMS									
All Regions	330	22.4	77.6	3,728	86.9	13.1	1,645	94.3	5.7
North Atlantic	98	29.6	70.4	1,364	89.7	10.3	410	95.1	4.9
Midwestern	88	17.0	83.0	966	83.9	16.1	618	94.7	5.3
Southern	61	18.0	82.0	752	86.3	13.7	374	93.6	6.4
Western	83	22.9	77.1	646	86.1	13.9	243	93.0	7.0
BACCALAUREATE AND HIGHER DEGREE PROGRAMS									
All Regions	282	21.1	78.9	2,379	91.8	8.2	299	95.0	5.0
North Atlantic	73	27.4	72.6	863	95.0	5.0	47	98.0	2.0
Midwestern	81	18.5	81.5	642	87.7	12.3	142	96.0	4.0
Southern	53	15.1	84.9	436	89.9	10.1	68	88.0	12.0
Western	75	22.7	77.3	438	93.2	6.8	42	100.0	0.0
ASSOCIATE DEGREE PROGRAMS									
All Regions	39	30.8	69.2	1,101	80.5	19.5	1,093	95.4	4.6
North Atlantic	22	36.4	63.6	373	85.0	15.0	247	96.8	3.2
Midwestern	3	0.0	100.0	245	80.0	20.0	366	95.9	4.1
Southern	7	28.6	71.4	276	81.9	18.1	279	96.4	3.6
Western	7	28.6	71.4	207	71.0	28.0	201	91.5	8.5
DIPLOMA PROGRAMS									
All Regions	9	22.2	77.8	248	70.0	30.0	253	88.1	11.9
North Atlantic	3	33.3	66.7	128	68.0	32.0	116	90.5	9.5
Midwestern	4	0.0	100.0	79	64.6	35.4	110	88.1	11.9
Southern	1	100.0	0.0	40	77.5	22.5	27	77.8	22.2
Western	1	0.0	100.0	1	100.0	0.0	0	0.0	0.0

Highest Earned Credentials of Graduate Faculty (Table 20)

- Table 20 presents the highest earned credential of faculty who teach at the graduate level.
- Of all full-time faculty teaching at the graduate level, 63.5 percent have a doctorate, with 32 percent of those individuals having a major in nursing.
- Of all full-time faculty teaching at both the graduate and undergraduate levels, 60.6 percent have a doctorate; 33.2 percent of these individuals have their doctorate in nursing.
- Of all part-time graduate faculty, 37.5 percent have a doctoral degree, and 23.5 percent of these individuals have their degree in nursing.

Table F-20
HIGHEST EARNED CREDENTIAL OF GRADUATE FACULTY, BY NLN REGION

NLN REGION	TOTAL GRADUATE FACULTY		PERCENT WITH CREDENTIAL					
			DOCTORATE		MASTER'S DEGREE		BACCALAUREATE	OTHER
	Number	Percent	Nursing	Non-Nursing	Nursing	Non-Nursing		
FULL-TIME FACULTY TEACHING ONLY AT THE GRADUATE LEVEL								
All Regions	1,064	100	20.3	43.2	34.1	0.3	0.3	0.1
North Atlantic	228	100	28.5	37.3	32.9	1.3	0.0	0.0
Midwestern	415	100	14.0	37.1	46.0	2.9	0.0	0.0
Southern	323	100	22.6	54.8	20.4	1.9	0.3	0.3
Western	98	100	20.4	44.9	31.6	0.0	3.1	0.0
FULL-TIME FACULTY TEACHING AT BOTH GRADUATE AND UNDERGRADUATE LEVELS								
All Regions	1,106	100	20.1	40.5	37.6	1.4	0.2	0.2
North Atlantic	226	100	17.3	31.0	50.4	0.9	0.0	0.4
Midwestern	230	100	15.7	51.7	29.6	2.6	0.0	0.4
Southern	349	100	21.2	38.1	39.8	5.7	0.3	0.0
Western	301	100	24.3	41.9	31.5	2.0	0.3	0.0
PART-TIME GRADUATE FACULTY								
All Regions	397	100	8.8	28.7	56.4	6.0	0.0	0.0
North Atlantic	90	100	8.9	23.3	57.8	10.0	0.0	0.0
Midwestern	114	100	5.3	31.6	57.0	6.1	0.0	0.0
Southern	88	100	15.9	21.6	60.0	4.5	0.0	0.0
Western	105	100	6.7	36.2	53.3	3.8	0.0	0.0

Ethnic Background of Administrators (Table F-21)

- The distribution of ethnic background of program administrators is presented in Table F-21.
- In general, a somewhat lower percentage of administrators than faculty members come from non-white ethnic background (see also Tables F-22 and F-23).

Table F-21
ETHNIC BACKGROUND OF ADMINISTRATORS: NUMBER AND PERCENT, BY TYPE OF PROGRAM[1]

TYPE OF PROGRAM	Total Administrators		American Indian or Alaskan Native		Asian or Pacific Islander		Black (Non-Hispanic)		Hispanic		White (Other Than Hispanic)	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Programs	1.833	100.0	8	0.4	30	1.6	73	4.0	20	1.1	1.702	92.9
Baccalaureate and Higher Higher Degree Programs	825	100.0	2	0.2	15	1.8	33	4.0	12	1.5	763	92.5
Associate Degree Programs	640	100.0	3	0.5	14	2.2	35	5.5	6	0.9	582	90.9
Diploma Programs	368	100.0	3	0.8	1	0.3	5	1.4	2	0.5	357	97.0

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands

Ethnic Background of Faculty (Tables F-22 and F-23)

- Percentages of full-time faculty who were members of ethnic minority groups in 1986 were generally similar to those found in 1984, with 9 percent belonging to an ethnic minority group.
- Associate degree programs had the highest percentage of full-time faculty from ethnic minority groups (11%), and diploma programs had the lowest percentage (6%).
- Diploma programs in the West reported the highest overall proportion of full-time faculty from minority groups, with 22.2 percent black, non-Hispanic, 14.8 percent Asian or Pacific Islander, and 2 percent American Indian or Alaskan Native. However, the actual number of minority faculty members in these programs was low since there are so few diploma programs in the Western region.
- Non-Hispanic blacks constitute the largest minority group among full-time faculty in all regions and program types.
- Overall, a smaller percentage of part-time faculty (6.8%) come from an ethnic minority background than is found for full-time faculty. Black (non-Hispanic) faculty members make up only 3.2 percent of part-time faculty, compared with 5.6 percent of full-time faculty.

Table F-22

ETHNIC BACKGROUND OF FULL-TIME FACULTY: NUMBER AND PERCENT, BY NLN REGION AND TYPE OF PROGRAM

NLN REGION[1]	Total Full-Time Faculty		American Indian or Alaskan Native		Asian or Pacific Islander		Black (Non-Hispanic)		Hispanic		White (Other Than Hispanic)	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
ALL REPORTING RN PROGRAMS												
All Regions	18,374	100.0	117	0.6	278	1.5	1,030	5.6	244	1.3	16,705	90.9
North Atlantic	5,146	100.0	24	0.5	64	1.2	226	4.4	23	0.5	4,809	93.5
Midwestern	5,072	100.0	26	0.5	62	1.2	192	3.8	31	0.6	4,761	93.9
Southern	5,731	100.0	36	0.6	55	1.0	509	8.9	142	2.5	4,989	87.1
Western	2,425	100.0	31	1.3	97	4.0	103	4.3	48	2.0	2,140	88.5
BACCALAUREATE AND HIGHER DEGREE PROGRAMS												
All Regions	9,200	100.0	57	0.6	125	1.4	481	5.2	146	3.3	8,391	91.2
North Atlantic	2,597	100.0	20	0.8	23	0.9	114	4.4	9	0.3	2,431	93.6
Midwestern	2,367	100.0	10	0.4	25	1.1	80	3.4	21	0.9	2,231	94.3
Southern	2,873	100.0	12	0.4	38	1.3	258	9.0	100	8.7	2,465	85.8
Western	1,363	100.0	15	1.1	39	2.9	29	2.1	16	1.2	1,264	92.7
ASSOCIATE DEGREE PROGRAMS												
All Regions	6,041	100.0	45	0.7	115	1.9	435	7.2	78	1.3	5,368	88.9
North Atlantic	1,215	100.0	3	0.2	23	1.9	88	7.2	8	0.7	1,093	90.0
Midwestern	1,584	100.0	4	0.3	28	1.8	83	5.2	4	0.3	1,465	92.5
Southern	2,234	100.0	23	1.0	14	0.6	202	9.0	38	1.7	1,957	87.6
Western	1,008	100.0	15	1.5	50	5.0	62	6.2	28	2.8	853	84.6
DIPLOMA PROGRAMS												
All Regions	3,133	100.0	15	0.5	38	1.2	114	3.6	20	0.6	2,946	94.0
North Atlantic	1,334	100.0	1	0.1	18	1.4	24	1.8	6	0.4	1,285	96.3
Midwestern	1,121	100.0	12	1.1	9	0.8	29	2.6	6	0.5	1,065	95.0
Southern	624	100.0	1	0.2	3	0.5	49	7.9	4	0.6	567	90.9
Western	54	100.0	1	1.9	8	14.8	12	22.2	4	7.4	29	53.7

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands

Table F-23

ETHNIC BACKGROUND OF PART-TIME FACULTY: NUMBER AND PERCENT, BY NLN REGION AND TYPE OF PROGRAM

NLN REGION[1]	Total Part-Time Faculty		American Indian or Alaskan Native		Asian or Pacific Islander		Black Non-Hispanic		Hispanic		White Other Than Hispanic	
	N	%	N	%	N	%	N	%	N	%	N	%
ALL REPORTING RN PROGRAMS												
All Regions	5,919	100.0	14	0.2	72	1.2	265	4.5	54	0.9	5,514	93.2
North Atlantic	1,875	100.0	1	0.1	18	1.0	96	5.1	8	0.4	1,752	93.4
Midwestern	1,904	100.0	3	0.2	15	0.8	50	2.6	7	0.4	1,829	96.1
Southern	1,143	100.0	7	0.6	9	0.8	93	8.1	27	2.4	1,007	88.1
Western	997	100.0	3	0.3	30	3.0	26	2.6	12	1.2	926	92.9
BACCALAUREATE AND HIGHER DEGREE PROGRAMS												
All Regions	2,888	100.0	4	0.1	43	1.5	96	3.3	35	1.2	2,710	93.8
North Atlantic	889	100.0	1	0.1	10	1.1	45	5.1	2	0.2	831	93.5
Midwestern	897	100.0	1	0.1	8	0.9	15	1.7	2	0.2	871	97.1
Southern	525	100.0	0	0.0	6	1.1	28	5.3	25	4.8	466	88.8
Western	577	100.0	2	0.4	19	3.3	8	1.4	6	1.0	542	93.9
ASSOCIATE DEGREE PROGRAMS												
All Regions	2,374	100.0	9	0.4	23	1.0	152	6.4	17	0.7	2,173	91.5
North Atlantic	671	100.0	0	0.0	6	0.9	46	6.9	5	0.8	614	91.5
Midwestern	747	100.0	1	0.1	5	0.7	25	3.4	4	0.5	712	95.3
Southern	539	100.0	7	1.3	1	0.2	63	11.7	2	0.4	466	86.5
Western	417	100.0	1	0.2	11	2.6	18	4.3	6	1.4	381	91.4
DIPLOMA PROGRAMS												
All Regions	657	100.0	1	0.2	6	0.9	17	2.6	2	0.3	631	96.0
North Atlantic	315	100.0	0	0.0	2	0.6	5	1.6	1	0.3	307	97.5
Midwestern	260	100.0	1	0.4	2	0.8	10	3.9	1	0.4	246	94.6
Southern	79	100.0	0	0.0	2	2.5	2	2.5	0	0.0	75	94.9
Western	3	100.0	0	0.0	0	0.0	0	0.0	0	0.0	3	100.0

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands

Number of Male Faculty Members (Tables F-24 and F-25)

- A total of 606 male full-time faculty members and 375 male part-time faculty members were reported in the survey.
- Male faculty constituted 3.3 percent of the full-time faculty and 6.3 percent of the part-time faculty.
- Overall, there was less than one male full-time faculty member for every two nursing programs, and less than one male part-time faculty member for every three nursing programs.
- The percentage of male full-time faculty across regions ranged from 5.6 percent in the West to 1.7 percent in the North Atlantic. The Midwest reported the smallest percentage of male part-time faculty as well (4.9%).
- Associate degree programs had the lowest percentage of part-time male faculty (5.9%).
- The greatest percentages of part-time male faculty were found in baccalaureate programs in the South (14.1%), associate degree programs in the West (15.8%), and diploma programs in the Midwest (15.8%).

Table F-24

NUMBER AND PERCENT OF FULL-TIME MALE FACULTY, BY TYPE OF PROGRAM AND NLN REGION

NLN Region	Number of Responding Programs	Total Number of Full-Time Faculty	Number of Full-Time Male Faculty	Mean Number of Full-Time Male Faculty per Program	Full-Time Male-Faculty (percent of total)
ALL REPORTING PROGRAMS					
All Regions	1,456	18,380	606	0.4	3.3
North Atlantic	360	5,146	90	0.3	1.7
Midwestern	412	5,072	149	0.4	2.9
Southern	475	5,737	234	0.5	4.1
Western	199	2,425	133	0.7	5.6
BACCALAUREATE AND HIGHER DEGREE PROGRAMS					
All Regions	551	9,206	288	0.5	3.1
North Atlantic	140	2,597	42	0.3	1.6
Midwestern	162	2,367	56	0.3	2.7
Southern	179	2,879	141	0.8	4.9
Western	70	1,363	48	0.7	3.5
ASSOCIATE DEGREE PROGRAMS					
All Regions	689	6,041	219	0.3	3.6
North Atlantic	124	1,215	27	0.2	2.2
Midwestern	181	1,584	45	0.2	2.8
Southern	257	2,234	63	0.2	2.8
Western	127	1,008	84	0.7	8.3
DIPLOMA PROGRAMS					
All Regions	216	3,133	99	0.5	3.2
North Atlantic	96	1,334	20	0.2	1.5
Midwestern	79	1,121	48	0.6	4.3
Southern	39	624	30	0.8	4.8
Western	2	54	1	0.5	1.9

Table F-25

NUMBER AND PERCENT OF PART-TIME MALE FACULTY, BY TYPE OF PROGRAM AND NLN REGION

NLN Region	Number of Responding Programs	Total Number of Part-Time Faculty	Number of Part-Time Male Faculty	Mean Number of Part-Time Male Faculty per Program	Part-Time Male Faculty (percent of total)
ALL REPORTING PROGRAMS					
All Regions	1,456	5,919	375	0.3	6.3
North Atlantic	360	1,875	91	0.3	4.9
Midwestern	412	1,904	90	0.2	4.7
Southern	475	1,143	91	0.2	8.0
Western	199	997	103	0.5	10.3
BACCALAUREATE AND HIGHER DEGREE PROGRAMS					
All Regions	551	2,888	185	0.3	6.4
North Atlantic	140	889	42	0.3	4.7
Midwestern	162	897	32	0.2	3.6
Southern	179	525	74	0.4	14.1
Western	70	577	37	0.5	6.4
ASSOCIATE DEGREE PROGRAMS					
All Regions	689	2,374	140	0.2	5.9
North Atlantic	124	671	40	0.3	6.0
Midwestern	181	747	17	0.1	2.3
Southern	257	539	17	0.1	3.2
Western	127	417	66	0.5	15.8
DIPLOMA PROGRAMS					
All Regions	216	657	50	0.2	7.6
North Atlantic	96	315	9	0.1	2.9
Midwestern	79	260	41	0.5	15.8
Southern	39	79	0	0.0	0.0
Western	2	3	0	0.0	0.0

Faculty Workload

FACULTY WORKLOAD (Tables F-26 to F-34)

- For the information presented in Tables F-26 to F-34, each program was asked to indicate the number of hours and the number of students per week for a typical full-time faculty member. Baccalaureate and higher degree programs were asked to indicate the average number of hours and students per week for faculty teaching at the undergraduate level only, RN students only, at the graduate level only, and at both levels.
- The various faculty activities listed in the tables are described in the section on "Definition of Terms" at the beginning of this book.

Faculty Hours Per Week—Basic Nursing Students (Table F-26)

- Table F-26 shows the mean, standard deviation, and range for hours of faculty time per week for each activity for faculty teaching in basic nursing programs.
- Clinical teaching represents the major activity in the typical faculty workload, with a mean of 14.4 hours per week for all programs. A considerable difference was found among number of hours of clinical teaching by type of program. Generic baccalaureate programs had a mean of 13.6 and associate degree programs a mean of 13.7 hours per week, while diploma programs had the highest mean for clinical teaching of 17.9 hours per week.
- The means for undergraduate classroom teaching ranged from 3.9 hours per week in generic baccalaureate programs to 5.0 in diploma programs. The mean for associate degree programs was 4.7 hours per week.

- The highest figure for hours spent in advisement and counseling was reported in baccalaureate programs (3.5 hours per week) and the lowest in diploma programs (2.7 hours per week).

- The average (mean) number of nursing practice hours per week (not including clinical teaching) was quite low across all types of programs, 1.0 hours per week. The highest numbers of practice hours were reported by generic baccalaureate programs, with a mean of 1.7. Associate degree and diploma programs each reported a mean number of practice hours of 0.8 hours per week.

- Faculty spent the least amount of time per week in nursing research, with a mean of 0.8 hours per week for all programs. Baccalaureate programs reported greater undergraduate faculty research activity, with a mean of 1.7 hours per week.

- Mean hours per week for professional activities ranged from 2.7 in associate degree programs to 3.6 in baccalaureate programs.

Table F-26
COMPARISON OF FACULTY WORKLOAD, BY TYPE OF PROGRAM, FOR FACULTY TEACHING BASIC STUDENTS: MEAN, STANDARD DEVIATION, AND RANGE

FACULTY ACTIVITY	ALL PROGRAMS			BACCALAUREATE PROGRAMS (with Generic Students)			ASSOCIATE DEGREE PROGRAMS			DIPLOMA PROGRAMS		
	Mean	s.d.	Range	Mean	s.d.	Range	Mean	s.d.	Range	Mean	s.d.	Range
Classroom teaching	4.5	3.2	0-30	3.9	3.5	0-14	4.7	2.9	0-30	5.0	2.8	0-16
Clinical teaching	14.4	4.4	0-32	13.6	5.4	0-30	13.7	3.8	0-32	17.9	4.4	0-24
Advisement/counseling	3.8	2.7	0-22	3.5	2.7	0-22	4.2	3.0	0-16	2.7	1.5	0-9
Preparation hours	7.2	4.9	0-30	7.1	5.1	0-24	7.4	5.0	0-30	6.7	3.4	0-18
Nursing practice	1.0	2.7	0-20	1.7	3.0	0-20	0.8	2.4	0-16	0.8	2.6	0-20
Research	0.8	1.7	0-18	1.7	2.7	0-14	0.5	1.5	0-18	0.5	1.1	0-9
Committees	1.8	1.6	0-12	2.0	1.7	0-10	1.8	1.7	0-12	1.3	1.3	0-9
Professional activities (other)	3.0	2.3	0-21	3.6	2.8	0-10	2.7	2.1	0-21	3.0	1.7	0-10
Total faculty hours	38.3	10.1	10-89	38.3	14.2	14-78	36.5	9.7	14-89	37.9	6.4	10-70

Faculty Hours—Percentiles (Table F-27)

- The number of hours per week spent on each faculty activity is broken down into percentiles in Table F-27. The interval between the 25th percentile and the 75th percentile represents the middle 50 percent of programs (see "Definition of Terms" under *percentile*.) The median value (50th percentile) is a measure of the typical program in that half the programs are equal to or below that value and the other half are greater than that value.

- Most of the nursing education program faculty spend between three and five hours a week in classroom teaching. In diploma programs the 75th percentile was seven hours per week, in contrast to five hours for other programs.

- In clinical teaching, diploma faculty had a much higher average number of hours per week. The 25th percentile for diploma programs was 16 hours per week, while associate degree and generic baccalaureate programs reached 16 hours at the 75th percentile.

- More than 75 percent of associate degree and diploma programs do not report nursing practice as part of faculty workload.

- The typical faculty workload shows few hours devoted to research (see Table F-29). Only a small number of programs report research activities as part of their average workload, and more than 50 percent of programs reported no time spent in research each week.

Table F-27
COMPARISON OF FACULTY WORKLOAD, BY TYPE OF PROGRAM, FOR FACULTY TEACHING BASIC STUDENTS: PERCENTILES

FACULTY ACTIVITY	ALL PROGRAMS			BACCALAUREATE PROGRAMS (with Generic Students)			ASSOCIATE DEGREE PROGRAMS			DIPLOMA PROGRAMS		
	25th	50th	75th	25th	50th	75th	25th	50th	75th	25th	50th	75th
Classroom teaching	3	4	5	3	4	5	3	4	5	3	4	7
Clinical teaching	12	14	17	12	14	16	12	13	16	16	18	20
Advisement/counseling	2	3	5	2	3	5	2	4	5	2	2	3
Preparation hours	4	6	10	4	6	10	4	7	10	4	6	9
Nursing practice	0	0	1	0	0	4	0	0	0	0	0	0
Research	0	0	1	0	2	4	0	0	0	0	0	1
Committees	1	2	2	2	2	3	0	2	2	0	1	2
Professional activities (other)	2	3	4	2	3	4	1	2	4	2	3	4
Total faculty hours	33	38	42	32	38	44	30	36	41	35	40	41

Comparison of Undergraduate and Graduate Faculty Activities (Table F-28)

- Table F-28 presents a comparison of the number of hours spent in various activities by faculty who teach at the undergraduate level only, RN students only, at the graduate level only, and at both levels. Mean, standard deviation, and range are presented for each faculty activity.

- Faculty who teach only at the graduate level spend more hours in the classroom per week (a mean of 5.7 hours) than those teaching only at the undergraduate level (a mean of 3.9 hours), or at both levels (a mean of 4.7 hours). Conversely, undergraduate level faculty spend more time in clinical teaching (a mean of 13.6 hours for generic students and 12.5 hours per week for RN students) than faculty teaching only at the graduate level (a mean of 5.6 hours), or faculty teaching at both levels (a mean of 8.4 hours).

- The mean number of hours spent in advisement and counseling tended to be higher for faculty teaching graduate students (4.1 hours per week) than for those teaching at the undergraduate level (3.5 hours per week for generic students and 3.3 for RN students).

- Not surprisingly, the highest number of preparation hours was found among those teaching at both levels (8.0 hours per week), versus 7.1 hours for those teaching graduate students only, 7.1 hours for generic students, and 6.6 for RN students.

- Graduate faculty members were more likely to be involved in research. Programs report that faculty teaching only at the graduate level spend a mean of 4.6 hours per week in research activities and faculty members teaching at both levels have a mean of 3.4 hours per week. Undergraduate faculty reported a smaller mean of 1.7 hours per week for research for those teaching generic students only and 2.4 hours per week for those teaching RN students only.

Table F-28
FACULTY WORKLOAD—COMPARISON OF HOURS PER WEEK IN BACCALAUREATE AND HIGHER DEGREE PROGRAMS: MEAN, STANDARD DEVIATION, AND RANGE, BY LEVEL OF TEACHING

Faculty Activity	LEVEL OF FACULTY TEACHING											
	Undergraduate Generic Students Only			Undergraduate RN Students Only			Both Undergraduate and Graduate Students			Graduate Students Only		
	Mean	s.d.	Range	Mean	s.d.	Range	Mean	s.d.	Range	Mean	s.d.	Range
Classroom teaching	3.9	3.5	0-24	4.3	2.9	0-12	4.7	3.2	2-15	5.7	3.1	2-22
Clinical teaching	13.6	5.4	0-32	12.5	5.1	0-32	8.4	6.9	0-36	5.6	3.2	0-16
Advisement and counseling	3.5	2.7	0-25	3.3	2.6	0-12	3.8	3.0	0-14	4.1	2.1	0-12
Preparation hours	7.1	5.1	0-35	6.6	6.2	0-30	8.0	6.8	0-29	7.1	4.3	0-24
Nursing practice	1.7	3.0	0-24	1.6	2.1	0-20	1.6	2.4	0-9	1.9	3.1	0-18
Research	1.7	2.7	0-30	2.4	3.0	0-25	3.4	3.4	0-15	4.6	3.3	0-20
Committee work	2.0	1.7	0-10	2.2	1.8	0-8	2.3	1.2	0-12	2.1	1.4	0-8
Professional activities	3.6	2.8	0-20	3.0	2.9	0-10	5.1	3.4	0-16	4.5	3.1	0-20

Hours of Undergraduate and Graduate Teaching—Percentiles (Table F-29)

- Table F-29 presents the 25th, 50th, and 75th percentiles for the number of hours in the workload of faculty teaching only at the undergraduate level, those teaching RN students only, those teaching only at the graduate level, and those teaching at both levels.
- This table further delineates findings reported in Table F-28. Undergraduate faculty are more likely to be involved in clinical teaching, while graduate faculty are more likely to be involved in research.

Table F-29
FACULTY WORKLOAD—COMPARISON OF HOURS PER WEEK IN BACCALAUREATE AND HIGHER DEGREE PROGRAMS: PERCENTILES, BY LEVEL OF TEACHING

Faculty Activity	LEVEL OF FACULTY TEACHING											
	Undergraduate Generic Students Only			Undergraduate RN Students Only			Both Undergraduate and Graduate Students			Graduate Students Only		
	25th	50th	75th	25th	50th	75th	25th	50th	75th	25th	50th	75th
Classroom teaching	3	4	5	3	4	5	4	6	8	4	5	6
Clinical teaching	12	14	17	10	13	16	6	9	15	3	6	8
Advisement and counseling	2	3	4	2	3	4	2	4	6	2	4	5
Preparation hours	4	6	10	4	6	9	3	6	5	3	6	10
Nursing practice	0	0	3	0	0	2	0	0	4	0	0	4
Research	0	2	3	0	2	4	3	5	8	3	6	8
Committee work	2	2	3	0	2	4	0	2	4	1	2	4
Professional activities	2	3	6	2	3	4	3	4	6	2	4	5

Faculty Workload—Number of Basic Students per Week (Table F-30)

- Table F-30 shows the mean, standard deviation, and range for the number of basic (generic) students seen per week in various activities by a typical full-time faculty member, by type of program.
- Generic baccalaureate programs reported the highest mean number of students in classroom teaching (37.8 students per week). Associate degree programs reported a mean of 35.3 students and diploma programs, 26.4.
- The mean number of students taught in the clinical setting ranged from 8.2 students in the diploma programs to 10.4 students in generic baccalaureate programs, and 11.6 students in associate degree programs.
- In advisement and counseling, faculty in associate degree programs saw the highest mean number of students (9.7 students per week), and diploma programs had the lowest mean (5.8 students per week).

Table F-30

FACULTY WORKLOAD—NUMBER OF BASIC STUDENTS PER WEEK FOR A TYPICAL FULL-TIME FACULTY MEMBER: MEAN, STANDARD DEVIATION, AND RANGE, BY PROGRAM TYPE

FACULTY ACTIVITY	ALL PROGRAMS			BACCALAUREATE PROGRAMS (Generic Students)			ASSOCIATE DEGREE PROGRAMS			DIPLOMA PROGRAMS		
	Mean	s.d.	Range	Mean	s.d.	Range	Mean	s.d.	Range	Mean	s.d.	Range
Classroom teaching	28.0	22.1	0-321	37.8	26.1	0-195	35.3	25.1	0-321	26.4	13.1	0-78
Clinical teaching	10.2	7.0	0-99	10.4	7.6	0-40	11.6	5.9	0-99	8.2	2.8	4-25
Advisement & counseling	8.1	7.4	0-58	8.0	6.8	0-40	9.7	7.0	0-58	5.8	4.3	0-45

Number of Basic Students per Week—Percentiles (Table F-31)

- Table F-31 shows the 25th, 50th, and 75th percentile for number of students seen per week by a typical full-time faculty member.

- Diploma programs report the smallest number of students in classroom teaching, with a typical faculty member having between 18 and 35 students per week. Generic baccalaureate programs reported the largest number, with 24 students per week in the classroom at the 25th percentile and 45 students per week at the 75th percentile.

- The number of students encountered per week in clinical teaching is similar across all program types.

- For advisement and counseling, the smallest number of students is found in diploma schools, where the median (50th percentile) is six students per week. Associate degree program faculty have the highest number of students for advisement, with a median of ten students.

Table F-31

FACULTY WORKLOAD—NUMBER OF BASIC STUDENTS PER WEEK FOR A TYPICAL FULL-TIME FACULTY MEMBER: PERCENTILES, BY PROGRAM TYPE

FACULTY ACTIVITY	ALL PROGRAMS			BACCALAUREATE PROGRAMS (Generic Students)			ASSOCIATE DEGREE PROGRAMS			DIPLOMA PROGRAMS		
	Percentile			Percentile			Percentile			Percentile		
	25th	50th	75th	25th	50th	75th	25th	50th	75th	25th	50th	75th
Number of students in classroom	22	29	42	24	30	45	21	30	44	18	25	35
Number of students in clinical	8	9	11	8	9	12	9	10	12	7	8	9
Number of students for advisement	4	8	11	4	7	12	5	10	12	3	6	8

Comparison of Number of Students per Week for Undergraduate and Graduate Teaching (Table F-32)

- Table F-32 presents the mean, standard deviation, and range for the number of students seen per week by faculty in baccalaureate and higher degree programs. The categories of faculty used for this analysis were those teaching basic students only, RN students only, both basic and RN students, graduate students only, and both undergraduate and graduate students. Baccalaureate and higher degree programs that admit generic students are differentiated from those that admit only registered nurses.

- In those programs that admit generic (basic) students, faculty teaching only at the graduate level tended to have significantly fewer students per week in the classroom (19.2 students) than those teaching generic students at the undergraduate level only (37.8 students) or than those teaching at both levels (63.6 students). In programs admitting RNs only, however, faculty teaching at the graduate level only have the greatest number of students (31.4 per week).

- Those faculty in generic programs doing clinical teaching at the graduate level only reported a mean of 6.6 students per week, as opposed to 10.4 students for faculty teaching only at the undergraduate level. Those teaching at both levels had 10.6 students per week.

- The mean number of students reported for advisement was 7.8 for faculty teaching graduate students and 8.0 for faculty teaching undergraduate students. For faculty teaching at both levels, the mean was 11.8 students.

- In general, faculty teaching at both graduate and undergraduate levels have contact with the greatest number of students per week. This may reflect the fact that this type of assignment may be more typical in larger programs.

- In programs that admit RN students only, the number of students in the classroom and clinical teaching is lower than in other baccalaureate programs, while the number of students seen for advisement is generally higher. In contrast, the number of students in graduate teaching tends to be higher than in graduate programs that are associated with generic baccalaureate programs.

Table F-32

FACULTY WORKLOAD—COMPARISON OF NUMBER OF STUDENTS PER WEEK IN BACCALAUREATE AND HIGHER DEGREE PROGRAMS, BY LEVEL OF TEACHING: MEAN, STANDARD DEVIATION, AND RANGE

Level of Teaching	Classroom Teaching			Clinical Teaching			Advisement		
	Mean	s.d.	Range	Mean	s.d.	Range	Mean	s.d.	Range
BACCALAUREATE AND HIGHER DEGREE PROGRAMS WITH GENERIC STUDENTS									
Generic students only	37.8	26.1	1-195	10.4	7.6	0-40	8.0	6.8	0-40
RN students only	33.3	12.6	4-160	10.9	5.3	0-30	8.7	4.9	0-60
Both generic and RN students	23.6	10.1	1-150	10.0	4.1	0-40	9.4	5.4	0-101
Graduate students only	19.2	8.2	4-60	6.6	3.6	0-20	7.8	5.1	0-35
Both undergraduate and graduate students	63.6	20.8	6-195	10.6	3.5	0-38	11.8	4.7	0-70
BACCALAUREATE AND HIGHER DEGREE PROGRAMS ADMITTING RN STUDENTS ONLY									
Undergraduate students only	21.8	9.1	6-70	8.5	3.4	0-16	11.4	4.1	0-25
Graduate students only	31.4	7.3	17-50	10.8	2.7	0-20	9.0	1.7	0-15
Both undergraduate and graduate students	18.0	3.1	14-25	8.0	1.6	0-15	8.7	1.6	0-15

Comparison of Number of Students per Week—Percentiles (Table F-33)

- Table 33 shows the 25th, 50th, and 75th percentiles for the typical number of students per week in a faculty teaching load for baccalaureate and higher degree programs. Faculty is divided into those teaching only at the undergraduate level, those teaching RN students only, those teaching both RNs and basic students, those teaching only at the graduate level, and those teaching at both graduate and undergraduate levels. Baccalaureate and higher degree programs that admit only registered nurses are also differentiated from generic programs.

- In generic programs, the number of students per week in classroom teaching were highest for faculty teaching at both graduate and undergraduate levels. The 50th percentiles (medians) were 45 students for both levels, 30 students for the undergraduate generic level only, and 15 for the graduate level only. In contrast, for faculty in programs admitting RNs only, the median number of students was highest for those teaching at the graduate level only (20) and lowest for those teaching both graduate and undergraduate students (15).

- The number of students in the clinical area was also lowest for faculty in generic programs teaching only at the graduate level. The median number of students (50th percentile) was 6 students for the graduate level, 9 students for the undergraduate, and 9 students for those teaching at both levels. In programs for RNs only, teachers of both graduates and undergraduates had slightly fewer students.

- The number of students seen for advisement each week was generally similar at all levels for both types of programs.

Table F-33

FACULTY WORKLOAD—COMPARISON OF NUMBER OF STUDENTS PER WEEK IN BACCALAUREATE AND HIGHER DEGREE PROGRAMS, BY LEVEL OF TEACHING: PERCENTILES

Level of Teaching	Classroom Teaching			Clinical Teaching			Advisement		
	25th	50th	75th	25th	50th	75th	25th	50th	75th
BACCALAUREATE AND HIGHER DEGREE PROGRAMS WITH GENERIC STUDENTS									
Generic students only	24	30	45	8	9	12	4	7	12
RN students only	16	30	45	6	9	10	3	6	10
Both generic and RN students	10	18	30	5	10	10	3	7	12
Graduate students only	10	15	24	4	6	10	4	6	10
Both undergraduate and graduate students	30	45	80	6	9	14	5	10	13
BACCALAUREATE AND HIGHER DEGREE PROGRAMS ADMITTING RN STUDENTS ONLY									
RN students only	15	17	30	6	8	10	5	7	10
Graduate students only	17	20	40	5	8	16	4	8	15
Both undergraduate and graduate students	14	15	25	3	6	15	3	8	15

Joint Appointments with Clinical Agencies (Table F-34)

- Each associate degree and baccalaureate and higher degree program was asked to identify how many faculty members were on a joint appointment with a clinical agency.
- Ninety-five percent of the joint appointments were reported in generic baccalaureate and higher degree programs. Very few joint appointments were reported by associate degree programs.
- The 325 joint appointments reported in baccalaureate and higher degree programs is equivalent to about 15 percent of full-time baccalaureate and higher degree faculty.
- There was considerable variation in the percentage of time spent on academic rather than clinical activities. The largest group (mode), consisting of 25 percent of all joint appointments, spent only 10 percent of its time in academic activities.
- The majority of all joint appointments spend 40 percent or less of their time in academic activities.

Table F-34
FACULTY JOINT APPOINTMENTS WITH CLINICAL AGENCIES

PERCENT OF TIME SPENT IN ACADEMIC ACTIVITIES	TOTAL		BACCALAUREATE AND HIGHER DEGREE PROGRAMS						ASSOCIATE DEGREE PROGRAMS	
			Total		With Generic Students		RN Students Only			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total	342	100.0	325	100.0	259	100.0	66	100.0	17	100.0
90%	18	5.3	17	5.2	13	5.0	4	6.1	1	5.9
80%	49	14.3	49	15.1	47	18.1	2	3.0	0	0.0
70%	18	5.3	18	5.5	18	6.9	0	0.0	0	0.0
60%	9	2.6	9	2.8	8	3.1	1	1.5	0	0.0
50%	56	16.4	51	15.1	44	17.0	7	10.6	5	29.4
40%	16	4.7	13	4.0	13	3.1	0	0.0	3	17.6
30%	26	1.8	26	8.0	26	0.9	0	0.0	0	0.0
20%	65	19.0	62	19.1	54	20.8	8	12.1	3	17.6
10%	85	24.9	80	24.6	36	13.9	44	66.7	5	29.4

Computer Technology and Applications

COMPUTER TECHNOLOGY AND APPLICATIONS (Tables F-35 to F41)

- A considerable increase in faculty involvement in computer technology and applications was manifested in all areas surveyed when 1986 data is compared with that obtained in 1984. Apparently, there has been a substantial increase in interest in this area in nursing education.

Faculty Attendance at Programs on Computer Technology (Table F-35)

- Of the programs that responded to the questionnaire, 87.5 percent reported that at least some faculty members had attended a conference or seminar on computers during the 1985-86 academic year.
- Generic baccalaureate nursing programs had the highest percentage of faculty participating in continuing education in this area in 1985-86, with only 7.6 percent reporting that no faculty members attended conferences in continuing education during that period (and 0.7 percent not responding).
- Eighty-seven percent of reporting associate degree programs had faculty attending conferences on computer technology during 1985-86.

Table F-35
PERCENT OF PROGRAMS REPORTING FACULTY ATTENDANCE AT PROGRAMS ON COMPUTER TECHNOLOGY DURING 1985-86

FACULTY ATTENDING COMPUTER PROGRAMS	NUMBER OF PROGRAMS RESPONDING	PERCENT OF PROGRAMS RESPONDING				
		All Programs	Baccalaureate and Higher Degree		Associate Degree	Diploma
			With Generic Students	Without Generic Students		
Most faculty	391	27.5	26.2	22.9	27.8	31.7
Some faculty	306	21.5	28.2	23.8	20.0	12.8
A few faculty	547	38.5	37.5	39.0	39.1	38.1
None	154	10.8	7.6	10.5	11.9	13.8
No response	23	1.6	0.7	3.8	1.2	3.7
Total	1,421	100.0	100.0	100.0	100.0	100.0

Faculty Integrating Computer Applications into Nursing Courses (Table F-36)

- More than 37 percent of all programs reported that no faculty integrate computer applications into their nursing courses.
- Of the generic baccalaureate programs, 77 percent reported that they had at least a few faculty members integrating computer applications in their nursing courses. Only 10 percent of all nursing programs reported that most faculty integrate computer applications into their nursing courses.

Table F-36

PERCENT OF PROGRAMS WITH FACULTY INTEGRATING COMPUTER APPLICATIONS INTO NURSING COURSES

FACULTY INTEGRATING COMPUTER APPLICATIONS	NUMBER OF PROGRAMS RESPONDING	PERCENT OF PROGRAMS RESPONDING				
		All Programs	Baccalaureate and Higher Degree		Associate Degree	Diploma
			With Generic Students	Without Generic Students		
Most faculty	141	9.9	7.1	12.5	11.3	9.6
Some faculty	209	14.7	19.6	19.2	12.9	9.2
A few faculty	512	36.0	50.2	39.4	32.1	20.2
None	529	37.2	21.3	25.0	42.5	56.0
No response	30	2.1	1.7	3.8	1.2	5.0
Total	1,421	100.0	100.0	100.0	100.0	100.0

Employment of Faculty to Teach Computer Technology (Table F-37)

- Sixteen percent of all nursing education programs employed at least one nurse faculty member to teach computer technology/applications.

- Twenty-eight percent of generic baccalaureate programs employed at least one nurse faculty member to teach computer technology/applications.

- Only 11 percent of all programs reported employing at least one non-nurse faculty member to teach computer technology.

Table F-37

PERCENT OF NURSING PROGRAMS EMPLOYING FACULTY TO TEACH COMPUTER TECHNOLOGY/APPLICATIONS

FACULTY TEACHING COMPUTER APPLICATIONS	NUMBER OF PROGRAMS RESPONDING	PERCENT OF PROGRAMS RESPONDING				
		All Programs	Baccalaureate and Higher Degree		Associate Degree	Diploma
			With Generic Students	Without Generic Students		
Nurse Faculty						
Three or more faculty	42	2.9	4.2	2.9	1.6	3.2
Two faculty members	49	3.4	7.8	2.9	1.6	1.4
One faculty member	137	9.6	16.2	17.1	5.9	5.5
None reported	1,198	84.0	71.8	77.1	90.9	89.9
Total	1,426	100.0	100.0	100.0	100.0	100.0
Non-Nurse Faculty						
Three or more faculty	60	4.2	3.3	5.9	5.5	1.0
Two faculty members	41	2.9	4.4	5.7	2.2	0.9
One faculty member	55	3.9	4.7	5.7	3.5	2.8
None reported	1,266	89.0	87.5	82.9	88.9	95.4
Total	1,422	100.0	100.0	100.0	100.0	100.0

Availability of Courses in Computer Technology (Table F-38)

- More than 13 percent of all types of nursing education programs require courses in computer technology, according to the responses to this questionnaire.
- Among generic baccalaureate programs, 18.6 percent require students to take courses in computer technology. For graduate programs, 31.3 percent require courses in computer technology.
- A course in computer technology was not available to students in 28.8 percent of reporting associate degree programs, 73.9 percent of diploma programs, and 19.6 percent of generic baccalaureate programs.

Table F-38
COMPUTER COURSES AS PART OF NURSING PROGRAMS

COMPUTER COURSES	NUMBER OF PROGRAMS RESPONDING	PERCENTAGE OF PROGRAMS RESPONDING					
		All Programs	Baccalaureate & Higher Degree			Associate Degree	Diploma
			With Generic Students	With RN Students Only	Graduate Programs[1]		
Required course in program	187	13.2	18.6	22.9	31.3	11.0	5.0
Optional course(s) available	650	45.7	52.0	55.2	17.4	52.4	8.3
Courses not available	452	31.8	19.6	11.4	39.1	28.8	73.9
No response	133	9.4	9.8	10.5	12.2	7.8	12.8
Total	1,422	100.0	100.0	100.0	100.0	100.0	100.0

[1] Percentages based on number of graduate programs responding (N = 133)

Applications of Computer Technology (Table F-39)

- Each program was asked to indicate what types of computer applications were available in their program. A summary of the responses appears in Table F-39.
- The computer application most frequently offered was computer-assisted instruction, with 39.9 percent of all programs reporting its availability.
- Computer simulations of clinical applications were reported available by 31.2 percent of the programs. The greatest availability of clinical applications was reported by baccalaureate and higher degree programs with RN students only(37.1%), and the lowest by diploma programs (15%).
- Computerized testing was reported to be available by 17.6 percent of generic baccalaureate programs, but by only 6 percent of diploma programs.
- Statistical analysis for research was reported as available by 48.6 percent of generic baccalaureate programs and by 63 percent of BRN programs. Only 17 percent of diploma programs and 20 percent of associate degree programs reported the availability of computer research applications.
- Overall, nearly 34 percent of programs reported the availability of data base management for decision making in administration; responses ranged from 22.5 percent of diploma programs to 44.1 percent of generic baccalaureate programs.

Table F-39
TYPE OF COMPUTER APPLICATIONS AVAILABLE, BY TYPE OF NURSING PROGRAM

TYPE OF APPLICATION	NUMBER OF PROGRAMS RESPONDING	PERCENTAGE OF PROGRAMS RESPONDING				
		All Programs	Baccalaureate & Higher Degree		Associate Degree	Diploma
			With Generic Students	With RN Students Only		
Computerized nursing care plans in clinical area	205	14.3	20.6	16.2	10.7	13.8
Computer simulations of clinical applications	446	31.2	35.8	37.1	33.0	15.1
Computerized-assisted instruction	571	39.9	50.0	46.7	38.9	22.5
Computerized grading and test analysis	692	48.4	64.2	47.6	48.8	19.7
Students taking tests on computer terminals	171	12.0	17.6	11.4	10.7	6.0
Statistical analysis for research	508	35.5	48.6	62.9	20.1	17.0
Data-base management for administration	485	33.9	44.1	42.9	30.5	22.5

Preparation of Graduates to Apply Computer Technology in Practice (Table F-40)

- Only 14.1 percent of nursing education programs reported that most recent graduates were prepared to apply computer applications in nursing practice.

- More than one-third of all nursing programs (38.5%) reported that none of their recent graduates was prepared to apply computer technology in nursing practice. Broken down by program type, 43 percent of associate degree programs, 59 percent of diploma programs, 25 percent of generic baccalaureate, and 17 percent of BRN programs reported that no graduates are prepared to apply computers in their nursing practice.

Table F-40

PROGRAMS REPORTING RECENT GRADUATES PREPARED TO APPLY COMPUTER TECHNOLOGY IN NURSING PRACTICE

GRADUATES PREPARED TO APPLY TECHNOLOGY	NUMBER OF PROGRAMS RESPONDING	PERCENTAGE OF PROGRAMS RESPONDING					
		All Programs	Baccalaureate & Higher Degree			Associate Degree	Diploma
			Baccalaureate Programs	Baccalaureate for RNs Only	Graduate Programs[1]		
Most students	201	14.1	12.5	12.4	27.1	13.3	20.6
Some students	212	14.8	23.0	19.0	30.1	11.6	7.3
A few students	403	28.2	34.1	35.2	29.3	29.7	9.2
None	550	38.5	24.8	17.1	13.5	43.4	59.2
No response	64	4.5	5.6	16.2	0.0	2.0	3.7
Total	1,430	100.0	100.0	100.0	100.0	100.0	100.0

[1] Percentages based on number of graduate programs responding (N = 133)

Preparation of Students to Apply Computer Technology in Practice (Table F-41)

- Twenty-five percent of all nursing education programs reported that most of their current students will be prepared, upon graduation, to use computer technology in their nursing practice. This is double the percentage reported in the 1984 survey.

- Over twenty-eight percent of all nursing education programs reported that none of their current students will be prepared to use computer technology in their nursing practice. Thirty-three percent of associate degree programs and 44.5 percent of diploma programs reported that none of their present students will be so prepared.

Table F-41

PROGRAMS REPORTING CURRENT NURSING STUDENTS WILL BE PREPARED TO USE COMPUTER TECHNOLOGY IN NURSING PRACTICE AFTER GRADUATION

STUDENTS PREPARED TO APPLY TECHNOLOGY	NUMBER OF PROGRAMS RESPONDING	PERCENTAGE OF PROGRAMS RESPONDING					
		All Programs	Baccalaureate & Higher Degree			Associate Degree	Diploma
			Baccalaureate Programs	Baccalaureate for RNs Only	Graduate Programs[1]		
Most students	356	25.1	31.4	22.9	39.4	20.8	27.5
Some students	245	17.2	23.5	25.7	27.7	15.1	8.3
A few students	377	26.3	26.2	31.4	24.1	29.5	15.1
None	403	28.4	16.4	10.5	8.8	33.0	44.5
No response	40	2.8	2.5	9.5	0.0	1.5	4.6
Total	1,421	100.0	100.0	100.0	100.0	100.0	100.0

[1] Percentages based on number of graduate programs responding (N = 137)

Salaries in Nursing Education

SALARIES IN NURSING EDUCATION (Tables F-42 to F-55)

- This section presents information about the annual salaries of administrators and full-time faculty in nursing education programs. Salaries are presented according to highest earned credential, NLN region, and type of nursing program. A comparative analysis of nursing salaries by type of institution, according to categories used for salary analysis by the American Association of University Professors (AAUP), is also included.

- *Data Collection:* Each program was asked to provide the following information for the 1985-86 academic year: (a) total number of full-time faculty, (b) number of full-time faculty per academic year and calendar year, (c) range of salaries from highest to lowest, and (d) mean (arithmetic) salary by faculty rank and highest credential.

- Because of the nomenclature used in diploma programs, different categories for rank and highest credential were used. These variations are presented in each table where data from diploma program faculty are listed.

- *Academic Year versus Calendar Year:* Patterns of faculty appointment vary greatly among schools. Academic year appointments are usually made for 9 to 10 months. Appointments for a calendar year are usually for 11 months (with one month vacation per year). Some calendar year appointments do not require faculty to teach in the summer, enabling them to do research and clinical practice. Similarly, many academic year appointments carry the expectation that faculty will do scholarly research and/or clinical practice in the summer.

- Some salary tables report annual salaries. Others present separate data for calendar year and academic year salaries. In the tables where nursing salaries are compared with AAUP data, calendar year salaries are adjusted to the academic year by multiplying by 9/11 in a procedure similar to that used by AAUP.

- The percentage of chief administrators and full-time faculty on *academic year* appointment is as follows:

Position	Baccalaureate and Higher Degree Programs	Associate Degree Programs
Chief administrator	27.5%	39.7%
Associate/assistant administrator	38.2%	60.0%
Professor	72.8%	89.3%
Associate professor	83.7%	83.8%
Assistant professor	83.5%	89.0%
Instructor	89.9%	85.9%
Other rank	73.3%	83.7%

For diploma programs, the percentages are as follows:

Position	Percentage
Chief administrator	13.4%
Assistant/associate director	14.8%
Coordinator/department head	35.4%
Instructor	29.5%
Assistant instructor	14.8%
Other rank	16.2%

Administrators' Salaries by Program Type (Table F-42)

- The mean salaries of the chief administrators and associate or assistant administrators of nursing education programs are presented in Table F-42, by program type and highest earned credential. Mean salaries are presented separately for administrators with academic year and calendar year appointments.

- Analysis of the mean salary for administrators by program type showed that those in generic baccalaureate programs with a calendar year appointment had the highest mean salary ($50,065 per year for chief administrators and $40,864 for associate or assistant administrators).

- Chief administrators of BRN programs had a mean salary of $33,951 for the academic year. Associate degree programs had the lowest mean salary for administrators ($32,781) for an academic year appointment. Mean salaries for associate or assistant administrators were about $4,000 lower.

- Administrators with doctoral degrees earned considerably more than those with master's degrees. In generic baccalaureate programs, the doctorate made a difference of at least $12,000 per year on the average for chief administrators and $10,000 per year for associate or assistant administrators.

- In associate degree and in BRN programs there was a difference of at least $4,000 in mean salary between chief administrators prepared at the doctoral level and those prepared at the master's level. The difference was even greater for associate or assistant administrators—nearly $8,000 for BRN and $10,000 for associate degree programs.

- The mean salary for diploma program chief administrators with a master's degree was about $5,000 higher than for master's prepared administrators in other types of nursing programs.

Table F-42
SALARY OF ADMINISTRATORS, BY PROGRAM TYPE: MEAN SALARY BY ACADEMIC AND CALENDAR YEAR APPOINTMENT

RANK AND HIGHEST CREDENTIAL	BACCALAUREATE AND HIGHER DEGREE PROGRAMS				ASSOCIATE DEGREE PROGRAMS		DIPLOMA PROGRAMS	
	Generic Students		RN Students Only					
	Academic Year	Calendar Year	Academic Year	Calendar Year	Academic Year	Calendar Year	Academic Year	Calendar Year
CHIEF ADMINISTRATOR								
All administrators	$34,158	$50,065	$33,951	$41,786	$32,781	$36,391	39,656	$40,823
Doctorate	38,225	52,114	36,078	44,797	36,514	39,971	*	43,287
Master's (nursing)	26,638	36,920	31,078	34,360	32,114	35,288	40,790	40,604
Other credential	23,600	*	*	—	30,969	32,621	34,650	40,194
ASSOCIATE/ASSISTANT ADMINISTRATOR								
All associate/assistant administrators	$30,890	$40,864	$30,109	$40,046	$28,474	$32,986	$32,950	$31,798
Doctorate	34,156	44,437	33,617	*	27,540	41,889	*	34,467
Master's (nursing)	27,839	36,876	25,900	32,950	27,618	31,467	32,960	33,042
Master's (non-nursing)	29,233	36,247	—	36,167	32,167	34,164	33,400	33,052
Other credential	—	—	—	—	*	*	*	15,750

*Too few data to warrant publication

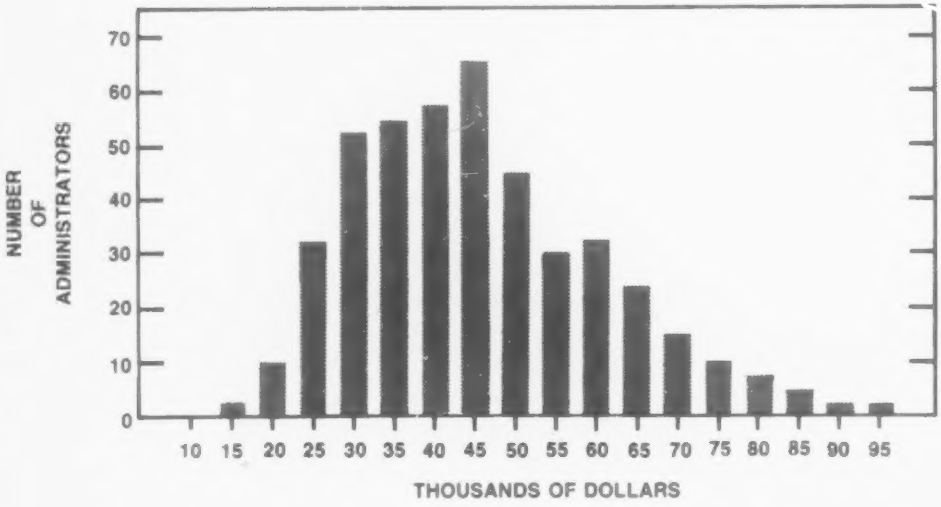
SALARIES OF ADMINISTRATORS (Figures F-10 to F-12)

- Figures F-10 to F-12 present the distributions of the salaries of the administrators of nursing programs in graph form. Salaries are listed in $5,000 increments along the bottom of the graph.

Salaries of Administrators of Baccalaureate and Higher Degree Programs (Figure F-10)

- Figure F-10 shows the distribution of salaries of the chief administrators of baccalaureate and higher degree programs. These salaries range from as low as $16,000 to $95,000.
- The majority of salaries fall between $30,000 and $50,000, and the mode (the interval with the highest frequency of responses) is $45,000.

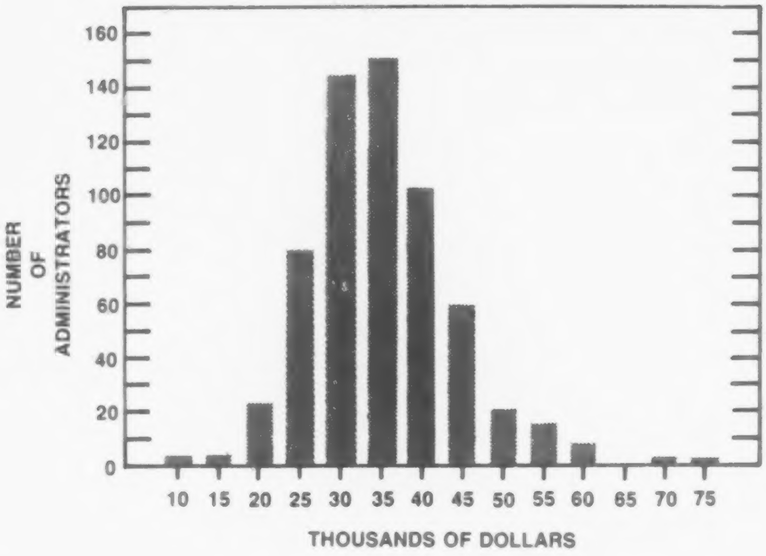
Figure F-10
SALARY OF CHIEF ADMINISTRATORS OF BACCALAUREATE AND HIGHER DEGREE PROGRAMS



Salaries of Administrators of Associate Degree Programs (Figure F-11)

- Figure F-11 shows the distribution of salaries of the chief administrators of associate degree programs.
- The majority of salaries fall between $25,000 and $40,000, with the mode (the interval with the highest frequency) at $35,000.

Figure F-11
SALARY OF CHIEF ADMINISTRATORS OF
ASSOCIATE DEGREE PROGRAMS

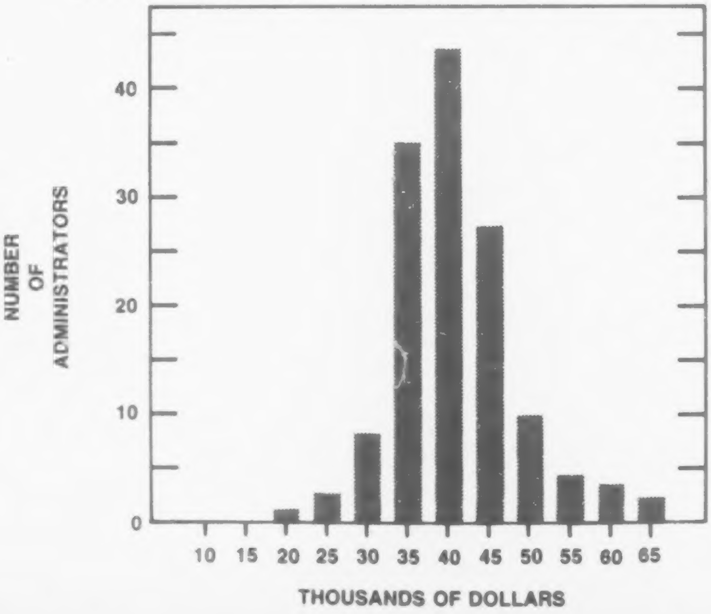


Salaries of Administrators of Diploma Programs (Figure F-12)

- Figure F-12 shows the distribution of salaries of the chief administrators of diploma programs.

- The majority of salaries are in the intervals from $35,000 to $45,000, with the mode (the interval with the highest frequency) at $40,000.

Figure F-12
SALARY OF CHIEF ADMINISTRATORS OF DIPLOMA PROGRAMS



Salaries of Full-Time Faculty and Administrators by Program Type (Table F-43)

- Table F-43 shows the mean salary for faculty and administrators in each type of nursing program, by type of appointment and highest earned credential. A separate set of categories is used to list rank and highest credential in diploma programs in order to provide information more relevant to diploma education. In addition, there are separate listings for mean salaries of faculty in baccalaureate and higher degree programs that have generic students and those that accept only registered nurses (BRN programs).

- In general, the higher the academic credential, the higher the salary. The smallest difference between faculty with doctorates and faculty with master's degrees was less than $1,000 for assistant professors in BRN programs.

- The highest mean salaries were reported in generic baccalaureate programs for chief administrators with doctoral preparation who were on calendar year appointments.

- Instructors with master's degrees in diploma programs had significantly higher mean salaries than master's prepared instructors in baccalaureate and associate degree programs.

Table F-43
MEAN SALARIES OF FULL-TIME FACULTY AND ADMINISTRATORS, BY TYPE OF APPOINTMENT AND PROGRAM

RANK AND HIGHEST CREDENTIAL	BACCALAUREATE AND HIGHER DEGREE PROGRAMS				ASSOCIATE DEGREE PROGRAMS	
	With Generic Students		With RN Students Only			
	Academic Year	Calendar Year	Academic Year	Calendar Year	Academic Year	Calendar Year
CHIEF ADMINISTRATIVE OFFICER						
Doctorate	$38.225	$52.022	$36.079	$44.797	$36.514	$39.314
Master's (nursing)	26.638	36.200	31.078	34.360	32,114	35.288
Other credential	—	*	—	—	31.445	34.546
ASSOCIATE/ASSISTANT ADMINISTRATOR						
Doctorate	34.156	44.437	33.617	53.640	27.540	41.189
Master's (nursing)	27.838	36.876	25,900	32,950	27.618	31,467
Other credential	29.233	36.247	—	36.167	30.709	34.164
PROFESSOR						
Doctorate	37.870	45.474	36.006	38.838	37.154	33.500
Master's (nursing)	34.665	38.364	33.120	43.500	32.366	24.100
Other credential	*	*	*	—	30.457	*
ASSOCIATE PROFESSOR						
Doctorate	31.435	36.128	30.717	31.650	31,513	26.780
Master's (nursing)	28.158	34.284	27.407	27,662	28.268	29,035
Other credential	27,313	*	*	*	27.398	26,475
ASSISTANT PROFESSOR						
Doctorate	27.039	32.508	25.186	29.080	26,678	30.150
Master's (nursing)	23.980	29.441	24.283	26,983	24.533	25.379
Other credential	23.193	27.750	22.367	—	24.105	27,467
INSTRUCTOR						
Doctorate	23.768	27.550	22.500	*	28.087	29.360
Master's (nursing)	20.749	25,966	20.736	24.220	23,821	24.759
Other credential	24,191	24.667	22,981	23.184	24.807	29.360
OTHER RANK						
Doctorate	24.967	31.225	*	*	*	—
Master's (nursing)	22.482	28.450	27.633	*	20.513	*
Other credential	24.533	—	—	—	21.807	—

DIPLOMA PROGRAMS		
Academic Year	Calendar Year	RANK AND HIGHEST CREDENTIAL
CHIEF ADMINISTRATIVE OFFICER		
*	$43.287	Doctorate
40,790	40.085	Master's (nursing)
34.900	40.194	Other credential
ASSOCIATE/ASSISTANT ADMINISTRATOR		
*	34.467	Doctorate
32.960	33.042	Master's (nursing)
33,400	34.172	Other credental
COORDINATOR/DEPARTMENT HEAD		
25.640	33.290	Doctorate
29.463	30.511	Master's (nursing)
27,915	29.985	Master's (non-nursing)
22.578	25.847	Baccalaureate (nursing)
21.017	*	Other credential
INSTRUCTOR		
*	28.886	Doctorate
25.965	27.844	Master's (nursing)
36.624	34.652	Master's (non-nursing)
23.180	23.164	Baccalaureate (nursing)
22.948	23.104	Other credential
ASSISTANT INSTRUCTOR		
—	*	Doctorate
*	27.600	Master's (nursing)
*	27.343	Master's (non-nursing)
22.833	25.529	Baccalaureate (nursing)
*	24.625	Other credential
OTHER RANK		
—	—	Doctorate
—	26.100	Master's (nursing)
27.400	24.260	Master's (non nursing)
*	*	Baccalaureate (nursing)
*	*	Other credential

* Too few data to warrant publication

Range of Salaries of Faculty and Administrators by Program Type (Table F-44)

- Table F-44 shows the range of annual salaries for full-time faculty and administrators of nursing education programs according to their highest credential. As in Table F-43, a separate set of categories is used for listing rank and highest credential in diploma education. The ranges presented represent the program means for each position and rank rather than individual salaries. The ranges would be expected to be greater if individual salaries were reported.

- The range of salaries was greatest for doctorally prepared administrators of baccalaureate and higher degree programs that admit RN students only (BRN programs)—from $22,500 to $94,500, a range of $72,000. This distribution is skewed to the lower end, with most individuals earning less than $45,000. The total range of salaries for chief administrators with doctorates in all baccalaureate and higher degree programs is $73,800.

- Salary ranges for administrators and professors with earned doctorates tended to be much larger than those for other categories. For example, the mean salaries of professors with doctoral degrees who teach in generic baccalaureate and higher degree programs ranged from $23,000 to $66,400.

- There is considerable overlap in salaries among the various positions and credentials. This overlap reflects the many other factors that influence salary, such as institutional type and region (see Tables F-45 - F-52).

Table F-44

RANGE OF MEAN SALARIES OF FULL-TIME FACULTY AND ADMINISTRATORS, BY PROGRAM TYPE

RANK AND HIGHEST CREDENTIAL	BACCALAUREATE AND HIGHER DEGREE PROGRAMS				ASSOCIATE DEGREE PROGRAMS	
	With Generic Students		With RN Students Only			
	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum
CHIEF ADMINISTRATIVE OFFICER						
Doctorate	$92,000	$20,700	$94,500	$22,500	$69,400	$21,800
Master's (nursing)	70,000	16,000	45,500	23,000	75,000	11,900
Other credential	30,000	14,200	*	*	25,100	11,600
ASSOCIATE/ASSISTANT ADMINISTRATOR						
Doctorate	$61,300	$21,900	$63,400	$28,800	$52,600	$22,000
Master's (nursing)	68,100	17,600	37,800	22,200	54,000	11,300
Other credential	52,300	12,100	*	*	47,000	11,400
PROFESSOR						
Doctorate	$66,400	$23,000	$62,500	$24,400	$55,200	$23,500
Master's (nursing)	63,000	21,200	51,800	28,800	55,200	18,700
Other credential	43,900	14,200	—	—	43,900	15,600
ASSOCIATE PROFESSOR						
Doctorate	$52,700	$18,300	$41,000	$22,000	$45,900	$12,700
Master's (nursing)	53,100	14,900	53,100	14,900	42,800	15,800
Other credential	*	*	*	*	32,000	17,000
ASSISTANT PROFESSOR						
Doctorate	$41,300	$15,600	$37,500	$18,000	$40,500	$18,000
Master's (nursing)	53,100	13,700	33,900	19,000	43,000	14,000
Other credential	33,900	18,000	26,200	16,000	39,300	12,700
INSTRUCTOR						
Doctorate	$32,200	$16,000	—	—	$42,000	$13,000
Master's (nursing)	36,300	11,000	29,700	18,200	41,000	11,300
Other credential	32,000	10,400	30,900	14,600	40,200	10,000
OTHER RANK						
Doctorate	$42,800	$18,000	*	*	*	*
Master's (nursing)	32,400	10,600	*	*	27,600	15,500
Other credential	43,000	10,000	—	—	34,000	13,000

DIPLOMA PROGRAMS		
Maximum	Minimum	RANK AND HIGHEST CREDENTIAL
CHIEF ADMINISTRATIVE OFFICER		
$60,000	$32,300	Doctorate
65,000	25,000	Master's (nursing)
50,400	11,900	Other credential
ASSISTANT/ASSOCIATE DIRECTOR		
$42,000	$32,500	Doctorate
43,800	24,000	Master's (nursing)
55,000	22,300	Other credental
COORDINATOR/DEPARTMENT HEAD		
$39,500	$24,500	Doctorate
48,400	21,000	Master's (nursing)
45,700	21,200	Master's (non-nursing)
31,000	19,700	Other credential
INSTRUCTOR		
$36,000	$25,000	Doctorate
36,800	18,900	Master's (nursing)
47,900	17,600	Master's (non-nursing)
37,000	13,000	Other credential
ASSISTANT INSTRUCTOR		
$32,500	$24,000	Master's (nursing)
33,300	22,500	Master's (non-nursing)
30,700	12,200	Other credential
OTHER RANK		
$42,800	$15,900	Graduate degree
39,100	17,400	Baccalaureate (nursing)
31,300	12,000	Other credential

* Too few data to warrant publication

Salaries of Administrators and Faculty in Baccalaureate and Higher Degree Programs by NLN Region (Tables F-45 and F-46)

- Comparisons of salaries of administrators and faculty in baccalaureate and higher degree programs are presented in Tables F-45 and F-46. The breakdown includes the mean and standard deviation by faculty member's highest academic credential and the NLN region of the program.

- There is no consistent overall pattern of salary differences by NLN region for either administrators or faculty members in baccalaureate and higher degree programs.

- Mean salaries of chief administrators are highest in the North Atlantic region and lowest in the Southern region.

- Very few baccalaureate and higher degree programs that admit registered nurses only reported a salary for an assistant administrator—too few, in fact, to warrant reporting. This probably reflects the smaller size of these programs in terms of number of faculty members.

- There was little regional difference in mean salaries for assistant professors with either a doctorate or master's degree as their highest earned credential.

- Although mean salaries for calendar year appointments were consistently higher than academic year salaries, in many categories the calendar year salaries were actually lower when adjusted by 9/11 for comparison. For example, for associate professors with doctorates in the Western region, the mean for calendar year salaries was only about $1,200 higher than the mean for academic year salaries, and when adjusted by 9/11 is considerably lower.

- The standard deviation is generally much greater for calendar year salaries than academic year salaries. This probably reflects the much higher salaries that are often seen in health science centers, which use calendar year appointments, as compared with salaries in other types of institutions.

Table F-45

MEAN SALARIES OF ADMINISTRATORS IN BACCALAUREATE AND HIGHER DEGREE PROGRAMS, BY NLN REGION

RANK AND HIGHEST CREDENTIAL BY TYPE OF APPOINTMENT	NORTH ATLANTIC			MIDWESTERN			SOUTHERN			WESTERN		
	Number	Mean Salary	Standard Deviation	Number	Mean Salary	Standard Deviation	Number	Mean Salary	Standard Deviation	Number	Mean Salary	Standard Deviation
BACCALAUREATE AND HIGHER DEGREE PROGRAMS WITH GENERIC STUDENTS												
CHIEF ADMINISTRATIVE OFFICER												
Doctorate												
Academic year	42	$40 767	$10 927	18	$37 950	$ 8 612	15	$34 162	$ 8 534	9	$38 711	$11 602
Calendar year	51	51 504	11 255	65	51 895	15 022	110	52 790	13 876	30	50 787	13 784
Master s (nursing)												
Academic year	9	27 500	4 918	12	26 618	6 747	*	*	*	*	*	*
Calendar year	6	39 716	15 974	13	32 900	9 174	13	34 738	14 430	*	*	*
Other credential												
Academic year	—	—	—	—	—	—	—	—	—	—	—	—
Calendar year	—	—	—	—	—	—	—	—	—	*	*	*
ASSOCIATE/ASSISTANT ADMINISTRATOR												
Doctorate												
Academic year	19	33 945	7 362	22	35 267	6 370	17	31 170	3 313	7	37 260	3 326
Calendar year	32	43 617	7 341	42	44 954	5 802	71	45 272	6 311	21	41 920	9 680
Master s (nursing)												
Academic year	11	27 200	5 713	16	28 082	6 049	28	27 142	6 438	9	29 188	8 364
Calendar year	16	35 123	5 762	15	39 120	5 745	27	36 463	9 906	7	36 425	3 979
Other credential												
Academic year	*	*	*	*	*	*	*	*	*	*	*	*
Calendar year	*	*	*	*	*	*	—	—	—	—	—	—
BACCALAUREATE AND HIGHER DEGREE PROGRAMS WITH RN STUDENTS ONLY[1]												
CHIEF ADMINISTRATIVE OFFICER												
Doctorate												
Academic year	10	36 200	6 888	8	34 050	4 856	7	36 750	12 011	*	*	*
Calendar year	7	43 329	9 308	12	45 536	13 500	11	41 364	4 929	8	49 788	18 339
Master s (nursing)												
Academic year	*	*	*	6	33 000	5 310	—	—	—	*	*	*
Calendar year	*	*	*	6	34 583	4 055	6	35 650	8 680	*	*	*
Other credential												
Academic year	—	—	—	—	—	—	—	—	—	—	—	—
Calendar year	—	—	—	—	—	—	—	—	—	—	—	—

* Too few data to warrant publication

[1] Because of the small number of BRN programs with associate or assistant administrators insufficient data was collected on the salaries of this group to warrant publication

Table F-46

MEAN SALARIES OF FACULTY IN BACCALAUREATE AND HIGHER DEGREE PROGRAMS, BY NLN REGION

RANK AND HIGHEST CREDENTIAL BY TYPE OF APPOINTMENT	NORTH ATLANTIC			MIDWESTERN			SOUTHERN			WESTERN		
	Number	Mean Salary	Standard Deviation	Number	Mean Salary	Standard Deviation	Number	Mean Salary	Standard Deviation	Number	Mean Salary	Standard Deviation
PROFESSOR												
Doctorate												
Academic year	89	$38.722	$ 9.838	69	$35.848	$ 7.088	67	$37.606	$ 5.302	41	$39.964	$ 5.725
Calendar year	9	44.750	9.522	15	45.150	11.313	54	46.370	9.625	31	43.867	9.233
Master's (nursing)												
Academic year	39	36.214	16.399	13	31.027	7.023	23	32.092	5.823	47	39.285	7.563
Calendar year	—	—	—	*	*	*	14	40.528	12.490	*	*	*
Other credential												
Academic year	—	—	—	*	*	*	*	*	*	*	*	*
Calendar year	—	—	—	*	*	*	*	*	*	*	*	*
ASSOCIATE PROFESSOR												
Doctorate												
Academic year	222	31.738	4.715	154	30.496	4.905	191	31.140	3.922	103	32.309	4.739
Calendar year	65	36.838	12.684	76	33.092	12.157	93	37.369	7.490	56	33.483	13.005
Master's (nursing)												
Academic year	204	29.343	5.149	287	26.499	4.609	256	27.935	4.849	102	30.084	5.345
Calendar year	14	37.414	7.348	22	33.270	4.552	109	32.692	11.656	32	35.560	6.398
Other credential												
Academic year	12	27.843	6.734	28	26.992	5.641	24	27.493	5.641	8	29.917	4.691
Calendar year	*	*	*	*	*	*	*	*	*	*	*	*
ASSISTANT PROFESSOR												
Doctorate												
Academic year	215	27.307	3.810	198	25.978	4.132	174	26.717	3.862	74	28.189	4.206
Calendar year	37	37.625	4.937	29	32.391	5.584	24	32.020	3.734	74	32.463	6.293
Master's (nursing)												
Academic year	594	24.839	4.124	709	23.275	3.382	788	23.913	3.232	270	24.727	3.978
Calendar year	49	32.342	5.367	58	27.044	4.407	276	29.203	7.535	30	29.857	3.379
Other credential												
Academic year	10	24.029	5.029	43	24.123	3.760	32	24.500	4.417	7	23.975	3.907
Calendar year	*	*	*	*	*	*	*	*	*	*	*	*
INSTRUCTOR												
Doctorate												
Academic year	53	21.108	6.014	25	22.000	1.913	19	25.433	3.825	22	27.157	5.177
Calendar year	*	*	*	*	*	*	15	27.752	9.147	*	*	*
Master's (nursing)												
Academic year	484	21.030	3.535	628	20.064	3.109	377	20.560	2.987	163	22.578	3.728
Calendar year	47	25.700	3.941	47	27.038	3.705	68	25.641	5.717	30	25.800	5.281
Other credential												
Academic year	11	21.457	5.773	88	19.507	3.366	70	18.639	3.585	9	21.400	5.021
Calendar year	*	*	*	*	*	*	*	*	*	*	*	*
OTHER RANK												
Doctorate												
Academic year	*	*	*	*	*	*	*	*	*	*	*	*
Calendar year	*	*	*	*	*	*	*	*	*	*	*	*
Master's (nursing)												
Academic year	58	23.845	4.085	78	23.471	4.085	27	23.733	4.793	18	22.550	2.130
Calendar year	*	*	*	*	*	*	*	*	*	*	*	*
Other credential												
Academic year	14	18.440	4.570	19	17.480	2.985	*	*	*	*	*	*
Calendar year	*	*	*	*	*	*	—	—	—	—	—	—

* Too few data to warrant publication

Salaries of Administrators and Faculty in Associate Degree Programs by NLN Region (Tables F-47 and F-48)

- A comparison by NLN region of the mean and standard deviation of salaries for administrators in associate degree programs is presented in Table F-47 and the data for faculty are in Table F-48.
- There is no consistent pattern of salary differences by NLN region for either administrators or faculty.
- The position of associate or assistant administrator was reported mostly in the Midwestern region.
- In general, there is no differences in mean salary for faculty in associate degree programs with master's degrees in nursing and those with other credentials.
- Salaries are similar for both assistant professors and instructors in associate degree programs who have a master's degree in nursing.

Table F-47
MEAN SALARIES OF ADMINISTRATORS IN ASSOCIATE DEGREE PROGRAMS, BY NLN REGION

RANK AND HIGHEST CREDENTIAL, BY TYPE OF APPOINTMENT	NORTH ATLANTIC			MIDWESTERN			SOUTHERN			WESTERN		
	Number	Mean Salary	Standard Deviation	Number	Mean Salary	Standard Deviation	Number	Mean Salary	Standard Deviation	Number	Mean Salary	Standard Deviation
CHIEF ADMINISTRATOR												
Doctorate												
Academic year	8	$36,213	$ 9,528	8	$39,288	$ 7,537	37	$34,063	$4,964	15	$37,540	$ 8,752
Calendar year	21	38,410	8,261	13	43,500	10,152	78	38,852	6,711	41	38,783	14,691
Master's (nursing)												
Academic year	43	33,107	7,729	45	30,552	6,573	51	29,564	5,760	31	36,703	10,008
Calendar year	31	34,110	6,446	45	34,955	5,219	109	35,073	6,958	25	37,948	9,652
Master's (non-nursing)												
Academic year	*	*	*	21	30,538	5,186	18	28,539	6,431	18	35,194	8,241
Calendar year	*	*	*	19	35,084	3,786	22	33,064	6,826	8	40,450	9,646
Other credential												
Academic year	*	*	*	*	*	*	*	*	*	*	*	*
Calendar year	*	*	*	*	*	*	*	*	*	*	*	*
ASSOCIATE/ASSISTANT ADMINISTRATOR												
Doctorate												
Academic year	*	*	*	*	*	*	*	*	*	*	*	*
Calendar year	*	*	*	*	*	*	*	*	*	*	*	*
Master's (nursing)												
Academic year	13	31,764	10,150	13	22,333	3,759	22	24,681	4,903	14	33,056	3,943
Calendar year	17	31,643	9,399	76	32,929	4,070	6	29,350	5,653	—	—	—
Master's (non-nursing)												
Academic year	*	*	*	*	*	*	8	26,563	4,158	14	36,818	5,661
Calendar year	*	*	*	*	*	*	*	*	*	*	*	*
Other credential												
Academic year	—	—	—	*	*	*	*	*	*	*	*	*
Calendar year	*	*	*	*	*	*	—	—	—	—	—	—

*Too few data to warrant publication

Table F-48
MEAN SALARIES OF FACULTY IN ASSOCIATE DEGREE PROGRAMS, BY NLN REGION

RANK AND HIGHEST CREDENTIAL BY TYPE OF APPOINTMENT	NORTH ATLANTIC			MIDWESTERN			SOUTHERN			WESTERN		
	Number	Mean Salary	Standard Deviation	Number	Mean Salary	Standard Deviation	Number	Mean Salary	Standard Deviation	Number	Mean Salary	Standard Deviation
PROFESSOR												
Doctorate												
Academic year	13	$43,650	$10,154	*	*	*	13	$33,043	$4,847	14	$35,200	$6,477
Calendar year	*	*	*	*	*	*	*	*	*	*	*	*
Master's (nursing)												
Academic year	86	33,638	10,390	34	35,491	3,362	90	29,362	5,078	75	32,394	6,475
Calendar year	*	*	*	—	—	—	12	30,500	8,495	*	*	*
Other credential												
Academic year	11	34,240	7,816	8	30,675	9,960	35	26,550	7,199	10	32,183	5,925
Calendar year	*	*	*	*	*	*	—	—	—	—	—	—
ASSOCIATE PROFESSOR												
Doctorate												
Academic year	11	32,129	10,849	6	30,560	5,900	7	31,567	4,013	7	31,540	5,045
Calendar year	*	*	*	—	—	—	*	*	*	*	*	*
Master's (nursing)												
Academic year	176	29,292	6,138	107	28,505	4,287	204	26,164	3,670	68	31,190	5,453
Calendar year	30	28,678	4,431	*	*	*	12	30,267	8,470	19	27,100	4,083
Other credential												
Academic year	34	28,248	5,499	33	27,707	4,470	47	25,690	4,104	16	29,071	6,738
Calendar year	*	*	*	*	*	*	*	*	*	*	*	*
ASSISTANT PROFESSOR												
Doctorate												
Academic year	8	31,683	6,446	*	*	*	29	23,418	1,626	6	29,400	7,205
Calendar year	*	*	*	*	*	*	*	*	*	*	*	*
Master's (nursing)												
Academic year	271	24,572	4,571	200	24,619	4,296	389	23,332	3,605	85	28,170	6,480
Calendar year	27	24,075	4,160	10	26,950	6,294	68	25,038	6,171	23	27,300	4,746
Other credential												
Academic year	41	24,033	5,509	82	24,775	3,584	90	24,500	4,417	36	23,975	3,907
Calendar year	*	*	*	*	*	*	11	22,857	9,990	*	*	*
INSTRUCTOR												
Doctorate												
Academic year	*	*	*	16	31,486	4,734	46	26,969	4,862	51	28,011	7,657
Calendar year	*	*	*	*	*	*	15	30,120	6,854	*	*	*
Master's (nursing)												
Academic year	127	21,480	3,065	369	24,318	4,738	405	22,465	3,801	202	27,904	5,920
Calendar year	68	25,120	6,195	17	26,930	4,927	131	24,450	6,621	20	22,500	2,603
Other credential												
Academic year	84	20,281	4,184	181	24,293	4,172	204	23,185		43	24,888	3,914
Calendar year	*	*	*	*	*	*	*	*	*	*	*	*
OTHER RANK												
Doctorate												
Academic year	—	—	—	*	*	*	*	*	*	—	—	—
Calendar year	—	—	—	—	—	—	—	—	—	—	—	—
Master's (nursing)												
Academic year	9	23,533	4,007	13	19,125	1,997	*	*	*	—	—	—
Calendar year	*	*	*	*	*	*	—	—	—	*	*	*
Other credential												
Academic year	11	18,438	4,570	11	18,830	2,985	17	19,900	4,451	14	20,883	3,229
Calendar year	*	*	*	*	*	*	*	*	*	*	*	*

* Too few data to warrant publication

Salaries of Administrators and Faculty in Diploma Programs by NLN Region (Tables F-49 and F-50)

- Table F-49 lists salaries of administrators in diploma programs by NLN region. Table F-50 lists mean salaries of faculty in diploma programs by NLN region.
- There are too few diploma programs in the West to report the salary data and maintain the anonymity of respondents.
- The mean salaries of diploma program administrators and faculty were generally quite similar across NLN regions. However, administrators and faculty in the Midwest tend to have somewhat higher mean salaries than those in the other regions.
- Instructors in diploma programs with master's degrees in fields other than nursing tended to have higher salaries than faculty with master's degrees in nursing. These differences may reflect longevity in the position rather than educational preparation.

Table F-49
MEAN SALARIES OF ADMINISTRATORS IN DIPLOMA PROGRAMS, BY NLN REGION

RANK AND HIGHEST CREDENTIAL BY TYPE OF APPOINTMENT	NORTH ATLANTIC			MIDWESTERN			SOUTHERN			WESTERN		
	Number	Mean Salary	Standard Deviation	Number	Mean Salary	Standard Deviation	Number	Mean Salary	Standard Deviation	Number	Mean Salary	Standard Deviation
CHIEF ADMINISTRATOR												
Doctorate												
Academic year	—	—	—	*	*	*	—	—	—	—	—	—
Calendar year	7	$40 671	$4 438	7	$46 871	$7 540	*	*	*	—	—	—
Master's (nursing)												
Academic year	*	*	*	*	*	*	*	*	*	—	—	—
Calendar year	32	39 678	6 423	22	42 323	8 393	15	$36 707	$10.257	*	*	*
Master's (non-nursing)												
Academic year	*	*	—	*	*	*	—	—	—	—	—	—
Calendar year	10	35 190	6 336	15	42 193	8 205	9	42 422	9.751	—	—	—
Other credential												
Academic year	*	*	*	—	—	—	—	—	—	—	—	—
Calendar year	*	*	*	—	—	—	*	*	*	—	—	—
ASSOCIATE/ASSISTANT ADMINISTRATOR												
Doctorate												
Academic year	*	*	*	—	—	—	*	*	*	—	—	—
Calendar year	*	*	*	*	*	*	—	—	—	*	*	*
Master's (nursing)												
Academic year	*	*	*	6	32 480	6 392	*	*	*	—	—	—
Calendar year	28	32 423	4 589	23	32 715	3 973	9	34 363	4 173	*	*	*
Master's (non-nursing)												
Academic year	*	*	*	*	*	*	—	—	—	—	—	—
Calendar year	14	31 738	5 171	25	34 604	6 529	6	29 950	4 949	—	—	—
Other credential												
Academic year	—	—	—	*	*	*	—	—	—	—	—	—
Calendar year	*	*	*	*	*	*	*	*	*	—	—	—

*Too few data to warrant publication

Table F-50

MEAN SALARIES OF FACULTY IN DIPLOMA PROGRAMS, BY NLN REGION

RANK AND HIGHEST CREDENTIAL, BY TYPE OF APPOINTMENT	NORTH ATLANTIC			MIDWESTERN			SOUTHERN			WESTERN		
	Number of Faculty	Mean Salary	Standard Deviation	Number of Faculty	Mean Salary	Standard Deviation	Number of Faculty	Mean Salary	Standard Deviation	Number of Faculty	Mean Salary	Standard Deviation
COORDINATOR/DEPARTMENT HEAD												
Doctorate												
Academic year	*	*	*	*	*	*	—	—	—	—	—	—
Calendar year	*	*	*	7	$31,971	$ 4,351	*	*	*	—	—	—
Master's (nursing)												
Academic year	21	$30,838	$5,565	24	28,573	3,513	6	$29,220	$5,147	—	—	—
Calendar year	50	29,333	3,740	47	31,489	3,479	15	31,125	7,589	*	*	*
Master's (non-nursing)												
Academic year	11	29,429	3,723	26	26,945	4,550	*	*	*	—	—	—
Calendar year	13	28,382	4,279	37	30,580	3,820	15	30,200	7,844	*	*	*
Baccalaureate (nursing)												
Academic Year	7	25,100	4,230	39	21,317	3,500	—	—	—	—	—	—
Calendar year	7	27,000	2,205	24	25,100	3,818	*	*	*	—	—	—
Other credential												
Academic year	—	—	—	*	*	*	—	—	—	—	—	—
Calendar year	—	—	—	*	*	*	—	—	—	—	—	—
INSTRUCTOR												
Master's (nursing)												
Academic year	98	25,392	3,768	87	26,600	2,314	29	25,617	2,317	—	—	—
Calendar year	245	27,238	3,052	111	28,595	2,886	144	27,945	3,808	*	*	*
Master's (non-nursing)												
Academic year	41	32,200	1,901	37	41,831	11,891	*	*	*	—	—	—
Calendar year	201	29,269	2,080	107	39,578	13,071	164	37,850	1,886	*	*	*
Baccalaureate (nursing)												
Academic year	43	22,174	4,739	25	24,149	2,069	30	23,480	2,714	—	—	—
Calendar year	65	23,678	3,241	85	21,764	2,919	118	24,801	3,874	*	*	*
Other credential												
Academic year	*	*	*	*	*	*	*	*	*	—	—	—
Calendar year	*	*	*	*	*	*	*	*	*	—	—	—
ASSISTANT INSTRUCTOR/ OTHER RANK												
Master's (nursing)												
Academic year	—	—	—	—	—	—	*	*	*	—	—	—
Calendar year	17	25,767	5,389	*	*	*	18	28,940	3,960	*	*	*
Master's (non-nursing)												
Academic year	8	27,400	4,317	*	*	*	—	—	—	—	—	—
Calendar year	9	22,568	[illegible]	21	24,640	4,466	11	26,650	1,377	—	—	—
Baccalaureate (nursing)												
Academic year	*	*	*	—	—	—	—	—	—	—	—	—
Calendar year	*	*	*	9	26,300	1,931	8	25,640	2,263	—	—	—
Other credential												
Academic year	*	*	*	*	*	*	—	—	—	—	—	—
Calendar year	*	*	*	*	*	*	*	*	*	—	—	—

Salaries of Administrators and Faculty by Public or Private Support of the Institution (Tables F-51 and F-52)

- Tables F-51 and F-52 compare the mean salaries of nursing administrators and faculty in institutions with public support and those with private support (secular or religious), by type of program. The distribution of responding programs with each type of support was as follows:

Type of Program	Public Support	Private/Secular	Private/Religious
Associate degree	87.9%	6.1%	6.0%
Diploma	17.7%	55.3%	27.0%
Baccalaureate and Higher Degree			
Total	46.6%	23.2%	30.3%
With generic students	47.4%	22.4%	30.2%
With RN students only	44.1%	25.5%	30.3%

- Mean salaries in publicly supported institutions tend to be higher than those in private institutions, particularly in baccalaureate and higher degree programs. The mean salaries in institutions with private religious support tend to be the lowest.

- The differences in mean salaries are greatest at all ranks between publicly supported institutions and those with private religious support—in general, about $4,000.

- Diploma programs tend to have about the same mean salaries for publicly and privately supported programs.

Table F-51
MEAN SALARIES OF ADMINISTRATORS, BY TYPE OF PROGRAM AND INSTITUTIONAL SUPPORT

RANK AND HIGHEST CREDENTIAL BY TYPE OF APPOINTMENT	BACCALAUREATE AND HIGHER DEGREE PROGRAMS						ASSOCIATE DEGREE PROGRAMS			DIPLOMA PROGRAMS		
	With Generic Students			With RN Students Only								
	Public	Private Secular	Private Religious	Public	Private Secular	Private Religious	Public	Private Secular	Private Religious	Public	Private Secular	Private Religious
CHIEF ADMINISTRATIVE OFFICER												
Doctorate												
Academic year	$40,058	$40,788	$35,088	$38,585	$34,333	$27,100	$36,694	•	—	—	•	—
Calendar year	56,275	49,261	40,709	48,857	44,233	36,610	40,144	35,763	31,050	•	42,573	•
Master's (nursing)												
Academic year	28,729	24,213	27,073	33,875	31,174	27,333	32,772	27,564	23,180	•	38,050	43,580
Calendar year	39,582	38,400	32,500	38,050	34,250	32,314	35,580	34,438	31,942	40,889	39,840	40,200
Other credential												
Academic year	—	23,250	23,900	26,533	•	•	31,802	•	25,200	—	33,525	•
Calendar year	•	—	—	—	—	—	34,546	—	—	41,792	37,871	41,862
ASSOCIATE/ASSISTANT ADMINISTRATOR												
Doctorate												
Academic year	35,629	32,700	31,188	34,150	32,550	•	30,600	•	•	—	•	•
Calendar year	45,683	39,575	41,925	56,133	46,174	•	40,963	•	—	•	33,960	—
Master's (nursing)												
Academic year	31,700	26,850	24,893	28,150	24,680	•	28,421	21,100	23,050	—	32,783	33,225
Calendar year	39,522	33,444	31,917	33,450	34,267	•	31,256	35,314	25,575	34,344	33,180	31,278
Other credential												
Academic year	27,450	32,800	—	—	—	—	30,748	•	—	—	33,400	—
Calendar year	37,510	34,443	—	•	•	—	35,263	•	29,480	32,650	33,363	32,633

• Too few data to warrant publicaton

Table F-52
MEAN SALARIES OF FACULTY, BY TYPE OF PROGRAM AND INSTITUTIONAL SUPPORT

RANK AND HIGHEST CREDENTIAL BY TYPE OF APPOINTMENT	BACCALAUREATE AND HIGHER DEGREE PROGRAMS						ASSOCIATE DEGREE PROGRAMS			DIPLOMA PROGRAMS		
	With Generic Students			With RN Students Only								
	Public	Private Secular	Private Religious	Public	Private Secular	Private Religious	Public	Private Secular	Private Religious	Public	Private Secular	Religious
PROFESSOR										COORDINATOR/DEPARTMENT HEAD		
Doctorate												
Academic year	$39,137	$37,096	$33,388	$37,686	$37,600	$32,380	$37,154	*	—	—	$25,300	*
Calendar year	46,237	*	40,043	46,750	*	*	*	—	*	*	33,440	31,900
Master's (nursing)												
Academic year	37,038	32,736	27,917	34,200	*	—	32,366	—	—	*	29,529	29,167
Calendar year	39,490	—	*	*	—	—	23,660	—	*	28,778	30,392	32,191
Other credential												
Academic year	34,800	—	—	*	*	*	30,649	*	—	25,080	25,981	27,260
Calendar year	*	—	—	—	—	—	*	—	—	31,056	27,534	29,242
ASSOCIATE PROFESSOR										INSTRUCTOR		
Doctorate												
Academic year	32,958	30,487	27,422	31,447	34,575	24,725	31,800	*	—	—	*	—
Calendar year	38,072	34,517	31,100	*	—	*	25,967	*	*	*	28,250	*
Master's (nursing)												
Academic year	30,378	27,308	24,656	29,712	27,251	23,089	28,771	23,500	21,875	25,987	25,690	26,464
Calendar year	35,442	34,260	29,171	*	*	*	29,738	*	24,640	27,689	27,436	29,267
Other credential												
Academic year	28,350	27,275	23,640	*	*	*	27,614	*	—	28,611	28,949	27,489
Calendar year	20,325	—	*	—	—	—	21,180	—	—	25,200	26,200	*
ASSISTANT PROFESSOR										ASSISTANT INSTRUCTOR		
Doctorate												
Academic year	28,234	26,680	23,813	26,143	26,300	21,467	27,252	*	—	—	—	—
Calendar year	33,485	30,920	29,020	32,100	24,147	25,481	*	*	*	—	*	—
Master's (nursing)												
Academic year	25,372	23,583	21,601	24,717	24,991	22,780	25,105	21,244	20,021	—	*	—
Calendar year	30,153	31,830	24,682	28,225	24,177	25,042	26,805	25,975	21,944	*	27,400	*
Other credential												
Academic year	26,127	24,311	21,355	25,250	22,700	21,000	24,471	20,240	17,833	—	23,300	*
Calendar year	31,443	*	32,433	*	*	—	24,938	—	35,667	25,400	26,800	26,950
INSTRUCTOR										OTHER RANK		
Doctorate												
Academic year	25,818	21,411	21,040	*	*	*	28,542	*	*	—	—	—
Calendar year	26,550	*	*	*	*	*	30,057	*	*	—	—	—
Master's (nursing)												
Academic year	21,915	20,435	19,052	22,171	20,748	19,192	24,130	19,673	19,689	24,340	*	—
Calendar year	27,068	27,983	20,938	27,749	22,911	*	24,946	29,560	21,056	24,400	*	*
Other credential												
Academic year	20,408	20,157	18,862	20,667	21,145	17,745	22,524	18,508	16,380	*	*	*
Calendar year	23,333	15,000	27,500	*	*	*	*	—	—	23,900	24,223	26,220
OTHER RANK												
Doctorate												
Academic year	*	24,710	*	—	—	—	*	—	—			
Calendar year	*	*	*	*	—	—	—	—	—			
Master's (nursing)												
Academic year	23,971	22,842	21,786	22,040	21,748	20,040	21,741	*	*			
Calendar year	22,899	23,714	23,416	*	*	*	*	—	—			
Other credential												
Academic year	18,983	21,625	17,050	*	*	*	19,212	—	—			
Calendar year	28,629	—	*	—	—	—	*	—	—			

* Too few data to warrant publication

COMPARISON OF NURSING SALARIES WITH AAUP SALARIES
(Tables F-53 to F-55)

- Tables F-53 to F-55 present a comparative analysis of nursing faculty salaries with the 1985-86 annual report of salaries by the American Association of University Professors (AAUP). References to AAUP data in this section are from the association's journal *Academe* (1986).

- Higher education institutions are categorized by AAUP as follows:

Category I (Doctoral Level Institutions)

— Categorized by a significant level and breadth of activity in and commitment to doctoral education.

— Grant a minimum of 30 doctoral degrees per year, which are granted in three or more doctoral programs.

— Are not considered specialized schools (see Category IIc)

Category IIa (Comprehensive Institutions)

— Characterized by diverse postbaccalaureate programs (including first professional degrees).

— Do not engage in significant doctoral level education.

— Grant a minimum of 30 postbaccalaureate degrees per year in three or more postgraduate programs.

Category IIb (General Baccalaureate Institutions)

— Place primary emphasis on general undergraduate baccalaureate education.

— Are not significantly engaged in postbaccaluareate education; grant less than 30 graduate degrees per year.

— Grant baccalaureate degrees in three or more program areas.

Category IIc (Specialized Institutions)

— Baccalaureate or postbaccalaureate institutions that are characterized by a programmatic emphasis in one area (plus closely related specialties).

— Grant over 60 percent of degrees in one program area and grant degrees in fewer than five baccalaureate programs.

Category III (Two-year Institutions with Academic Ranks)

— Confer at least 75 percent of degrees for work below the bachelor's degree.

Category IV (Two-Year Institutions Without Academic Rank)

— Same definition as Category III, but faculty do not have academic rank.

- In Tables F-53 to F-55, nursing programs in higher education are grouped according to the corresponding institutional AAUP category. Mean salaries of faculty members are presented by type of program, rank, and highest earned credential. Calendar year salaries are adjusted to academic year salaries by 9/11 as is done for the AAUP data. Each program was asked to identify which AAUP category best fits its parent institution at this time.

- The distribution (by percent) of reporting nursing education programs according to AAUP category is as follows.

AAUP Category	Baccalaureate and Higher Degree Programs			Associate Degree Programs
	Total	Generic	BRN	
I	19.8%	24.3%	7.0%	2.5%
IIa	26.8%	28.1%	23.0%	7.9%
IIb	49.4%	43.9%	64.8%	12.5%
IIc	2.8%	2.3%	4.2%	1.3%
III	0.6%	0.5%	0.7%	46.1%
IV	0.0%	0.0%	0.0%	31.6%
Other	0.1%	0.1%	0.0%	2.0%

- Twenty percent of baccalaureate and higher degree programs are in major institutions granting doctoral degrees (Category I). Of these, most are generic baccalaureate and higher degree programs. Only 7 percent of BRN programs are in Category I institutions. Forty-seven percent of baccalaureate and higher degree programs are in institutions with graduate programs (Categories I and IIa). Seventy-eight percent of associate degree programs are in institutions that are in AAUP categories III and IV.

- Data on diploma programs are not analyzed here since they are usually found in educational settings not included in the AAUP categories.

Salaries of Administrators by AAUP Category (Table F-53)

- Table F-53 summarizes the salary of the chief administrator of each type of nursing education program by the administrator's highest earned credential and AAUP institution category. No analysis was made of the administrators' academic rank or length of experience in higher education, which are also factors in determining salary level.

- Calendar year salaries were adjusted by 9/11 to an equivalent academic year salary, according to the AAUP procedure. The AAUP mean salary for professor is listed on the top of this table for comparison purposes.

- Chief administrators of baccalaureate and higher degree programs in Category I institutions have a mean salary that is about $10,000 higher than those in any other institutional category. Chief administrators in programs in Category IIb institutions have significantly lower salaries than those in Category IIa.

- Overall, administrators of associate degree programs had a lower mean salary than baccalaureate and higher degree program administrators in the same AAUP category. However, in Category IIb institutions, the salary for chief administrators of BRN programs is similar to that of adminstrators of AD programs.

- Associate degree program administrators with a master's degree in nursing in Category I institutions had a higher mean salary ($32,936) than those with a doctoral degree ($30,641).

Table F-53
SALARIES OF CHIEF ADMINISTRATORS OF NURSING EDUCATION PROGRAMS, BY AAUP CATEGORY

FACULTY RANK AND HIGHEST CREDENTIAL	MEAN SALARY BY AAUP CATEGORY[1]					
	I	IIa	IIb	IIc	III	IV
AAUP Professor salary level	**$47,280**	**$39,740**	**$34,280**	**$40,280**	**$34,560**	**$28,320**
ALL BACCALAUREATE AND HIGHER DEGREE PROGRAMS						
All administrators	50,190	39,988	32,984	37,114	*	—
Administrators with doctorate	50,642	40,886	34,728	38,315	*	—
Administrators with master's (nursing)	*	33,372	29,562	24,370	*	—
BACCALAUREATE AND HIGHER DEGREE PROGRAMS WITH GENERIC STUDENTS						
All administrators	50,266	40,555	33,680	32,952	*	—
Administrators with doctorate	50,752	41,603	35,244	39,895	*	—
Administrators with master's (nursing)	*	33,296	29,509	*	*	—
BACCALAUREATE AND HIGHER DEGREE PROGRAMS WITHOUT GENERIC STUDENTS						
All administrators	49,091	37,499	31,655	*	*	—
Administrators with doctorate	49,091	37,630	32,865	*	*	—
Administrators with master's (nursing)	—	*	29,681	*	*	—
ASSOCIATE DEGREE PROGRAMS						
All administrators	31,645	32,298	31,009	26,744	30,815	31,885
Administrators with doctorate	30,641	36,451	33,676	*	33,232	33,331
Administrators with master's (nursing)	32,936	27,684	27,946	25,494	29,002	31,438
Administrators with other credential	—	—	*	—	*	*

*Too few data to warrant publication.

[1] See p. 166 for explanation of categories. Calendar year salaries adjusted by 9/11 to compare with AAUP data.

Salaries of Baccalaureate and Higher Degree Program Faculty by AAUP Category (Table F-54)

- An analysis of nurse faculty salaries in baccalaureate and higher degree programs by AAUP institution category is presented in this table.
- The 1985-86 AAUP data for mean salaries by rank and institutional category are presented in bold type for comparison with data from the NLN survey.
- In Category I institutions, faculty salaries were below the AAUP mean salaries except on the instructor level.
- Nursing faculty with earned doctorates in Category IIa and IIb institutions had mean salaries at or above the AAUP mean.
- At the level of assistant professor, the mean salaries for nursing faculty with doctoral degrees were slightly higher than the AAUP mean salaries in Category I, IIa, and IIb institutions.
- At the rank of instructor, the mean salaries for nursing faculty with doctoral and master's preparation were higher than the AAUP mean salaries, with the exception of instructors with master's in nursing in Category IIc (specialized) institutions.
- The averaging of the adjusted calendar year mean salaries with academic year salaries tended to lower the nursing mean salary in each category.

Table F-54

SALARIES OF BACCALAUREATE AND HIGHER DEGREE PROGRAM FULL-TIME FACULTY COMPARED WITH AAUP SALARY CATEGORY[1]

FACULTY RANK AND HIGHEST CREDENTIAL	MEAN SALARY BY AAUP CATEGORY[1]					
	I	IIa	IIb	IIc	III	IV
Professor (AAUP)	**$47,280**	**$38,740**	**$34,280**	**$40,280**	**$34,560**	**$28,320**
Nursing with doctorate	40,490	39,478	34,568	—	—	—
Nursing with master's (nursing)	36,057	35,985	29,640	—	—	—
Nursing with other credential	32,440	•	—	—	—	—
Associate Professor (AAUP)	**34,040**	**31,550**	**27,800**	**32,060**	**29,490**	**28,320**
Nursing with doctorate	32,102	31,842	27,510	—	•	—
Nursing with master's (nursing)	30,520	29,471	25,382	24,421	—	—
Nursing with other credential	30,170	28,473	26,009	•	—	—
Assistant Professor (AAUP)	**28,460**	**25,930**	**22,900**	**26,520**	**25,140**	**28,320**
Nursing with doctorate	29,426	27,478	23,427	•	—	—
Nursing with master's (nursing)	25,839	24,445	21,701	22,987	—	—
Nursing with other credential	25,651	24,993	20,971	•	—	—
Instructor (AAUP)	**20,990**	**20,820**	**18,730**	**21,520**	**20,520**	**28,320**
Nursing with doctorate	23,384	25,500	23,440	•	—	—
Nursing with master's (nursing)	22,674	20,756	20,103	19,529	•	—
Nursing with other credential	21,792	20,047	18,333	•	—	—
Other Rank (AAUP Lecturer)	**24,440**	**21,720**	**21,910**	**24,050**	**18,210**	**28,320**
Nursing with doctorate	29,400	25,300	•	—	—	—
Nursing with master's (nursing)	22,686	21,522	•	•	—	—
Nursing with other credential	21,750	25,850	17,233	—	—	—

•Too few data to warrant publication.

[1] See p. 166 for explanation of categories. Calendar year salaries adjusted by 9/11 to compare with AAUP data.

Salaries of Associate Degree Program Faculty by AAUP Category (Table F-55)

- The 1985-86 AAUP data for mean salaries by rank and institutional categories are presented in bold type for comparison with the salaries of nursing faculty in associate degree programs.

- Associate degree programs are offered in all types of AAUP institutions. The breakdown of percentages by AAUP category is presented in the introduction to this section.

- Forty-six percent of associate degree programs are in institutions with faculty academic ranks that primarily grant associate degrees.

- An additional 32 percent of associate degree programs were in institutions listed by AAUP as not having faculty academic ranks (category IV). For these programs, the overall mean salaries were listed for each rank since some of these nursing programs reported salaries for faculty in ranks other than "instructor" or "other."

- At institutions whose primary emphasis was not on the associate degree (Categories I, IIa, IIb, and IIc), the mean salaries for associate degree faculty were at or below the AAUP means. The one exception was for faculty with doctoral degrees at the associate professor level in Category IIb institutions.

- In associate degree institutions (Category III) the mean salaries for nursing faculty tended to be about the same or higher than the AAUP means, with the exception of faculty with credentials other than master's or doctoral preparation. In Category IV institutions, the salaries tend to be lower than the AAUP level.

Table F-55

SALARIES OF ASSOCIATE DEGREE PROGRAM FULL-TIME FACULTY COMPARED WITH AAUP SALARY CATEGORY[1]

FACULTY RANK AND HIGHEST CREDENTIAL	MEAN SALARY BY AAUP CATEGORY[1]					
	I	IIa	IIb	IIc	III	IV
Professor (AAUP)	**$47,280**	**$39,740**	**$34,280**	**$40,280**	**$34,560**	**$28,320**
Nursing with doctorate	•	•	•	—	38,728	•
Nursing with master's (nursing)	•	•	30,417	•	32,520	•
Nursing with other credential	—	—	—	—	29,262	•
Associate Professor (AAUP)	**34,040**	**31,550**	**27,600**	**32,050**	**29,490**	**28,320**
Nursing with doctorate	•	24,727	29,533	—	33,527	•
Nursing with master's (nursing)	26,997	25,839	25,908	•	28,459	29,214
Nursing with other credential	•	•	27,167	—	28,173	23,817
Assistant Professor (AAUP)	**28,460**	**25,930**	**22,980**	**26,520**	**25,140**	**28,320**
Nursing with doctorate	•	•	•	—	27,677	•
Nursing with master's (nursing)	23,947	22,744	21,883	•	25,146	24,635
Nursing with other credential	24,150	23,740	22,357	—	24,758	23,608
Instructor (AAUP)	**20,990**	**20,820**	**18,730**	**21,520**	**20,520**	**28,320**
Nursing with doctorate	—	—	•	—	26,838	28,949
Nursing with master's (nursing)	20,461	18,919	18,688	22,517	23,100	25,751
Nursing with other credential	19,100	19,410	18,458	25,033	22,257	23,431
Other Rank (AAUP Lecturer)	**24,440**	**21,720**	**21,910**	**24,050**	**18,210**	**28,320**
Nursing with doctorate	•	—	—	—	—	•
Nursing with master's (nursing)	•	—	—	—	21,400	•
Nursing with other credential	•	16,500	18,842	—	20,230	20,200

•Too few data to warrant publication.

[1] See p. 166 for explanation of categories. Calendar year salaries adjusted by 9/11 to compare with AAUP data.

PN Students

SUMMARY AND RESULTS OF LPN/LVN STUDENT CENSUS

Methodology and Response Rate

Every fall, each of the state boards of practical and vocational nursing are contacted to update NLN's list of approved practical and vocational programs. In 1985, the state boards identified 1,128 schools of practical and vocational nursing in the United States with 1,165 LPN/LVN programs. An additional 25 schools were identified in the territories of American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Each state-approved school subsequently received the NLN annual survey, which included questions concerning the number of students admitted, enrolled, and graduated from the program. Additional information on primary source of financial support, administrative control, and tuition and fees was requested.

As in the past, NLN has maintained a 100 percent response rate to the areas of the survey concerning admissions, enrollments, and graduations.

Features of LPN/LVN Programs

In 1985, there were 1,128 schools of practical and vocational nursing with a total of 1,165 programs. The number of programs dropped 7.1 percent over the previous year. The majority of the programs (90%) were conducted for adults, and over 91 percent of the programs were publicly supported. More than half of the programs (51.3%) were under the administrative control of technical or vocational schools. Smaller percentages were located in junior or community colleges (31.9%), hospitals (6.8%), secondary schools (6.7%), government agencies (1.4%), senior colleges or universities (1.1%), and independent agencies (0.8%).

The Southern region had the largest proportion of practical and vocational programs with 43 percent of the total. The Midwest had 22 percent; the North Atlantic, 19 percent; and the West, 16 percent of the total programs.

Admissions, Enrollments, and Graduations

Total annual admissions to practical and vocational nursing programs in the United States between August 1984 and July 1985 fell to 47,034, representing a decrease of almost 19 percent over the previous year.

Fall admissions dropped to 29,067—almost 13 percent since 1984. This suggests that annual admissions to LPN/LVN programs will decline further in 1985-86.

Enrollment, as of October 15, 1985, totaled 39,345—a 19 percent decrease from the 1984 figure. Furthermore, graduations fell 17 percent from 44,054 in 1984 to 36,955 in 1985.

Men and Minority Students

Starting in 1984, data on men and minority students will be gathered every year. In 1984-85, ethnic and minority students (excluding men) constituted 22.1 percent of total admissions to practical and vocational nursing programs. Blacks made up 16.4 percent of the annual admissions, and men represented 6.1 percent of the admissions. Similar percentages of men and minority students were found in enrollment and graduation figures. The proportion of black students have both been increasing since 1978, when NLN began collecting this data.

LPN/LVN PROGRAMS

Number of LPN/LVN Programs (Tables PN-1 and PN-2)

- In 1985, there were 1,128 LPN and LVN schools in the United States, with a total of 1,165 programs. This represents a 7.1 percent decrease in the number of programs over the previous year. Moreover, the number of schools decreased 3 percent since 1984 (Table PN-1).
- Of the 1,165 programs, 90 percent were programs conducted primarily for adults and out-of-school youth. High school extended programs and high school programs accounted for 7 percent and 4 percent of the total, respectively. This percentage breakdown is identical to last year's (Table PN-1).
- The largest portion of the LPN/LVN programs are in the South. The regional breakdown among programs was South, 43 percent; Midwest, 22 percent; North Atlantic, 19 percent; and West, 16 percent (Table PN-2).

Historical trends: The number of LPN/LVN programs peaked at 1,319 in 1977. Five years ago, in 1980, the number of programs stood at 1,299, and ten years ago there were 1,318 LPN/LVN programs. In short, the number of LPN/LVN programs has decreased 10 percent since 1980, and 11.6 percent since 1976.

Table PN-1

LPN/LVN SCHOOLS AND PROGRAMS WITH PERCENTAGE CHANGE FROM PREVIOUS YEAR, BY TYPE OF PROGRAM: 1966 TO 1985

YEAR[1]	SCHOOLS[2]		PROGRAMS							
			All L.P.N./L.V.N. Programs		Adult Programs[3]		High School Programs[4]		High School Extended Programs[5]	
	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change
1966	1,030	+9.0	1,068	+10.0	985	+8.6	34	+78.9	49	+8.9
1967	1,103	+7.1	1,133	+6.1	1,034	+5.0	33	−2.9	66	+34.7
1968	1,136	+3.0	1,174	+3.6	1,061	+2.6	44	+33.3	69	+4.5
1969	1,162	+2.3	1,234	+5.1	1,110	+4.6	38	−13.6	86	+24.6
1970	1,172	+0.9	1,233	−0.1	1,103	−0.6	42	+10.5	88	+2.3
1971	1,191	+1.6	1,271	+3.1	1,131	+2.5	48	+14.3	92	+4.5
1972	1,196	+0.4	1,286	+1.2	1,142	+1.0	51	+6.2	93	+1.1
1973	1,191	−0.4	1,283	−0.2	1,135	−0.6	57	+11.8	91	−2.1
1974	1,206	+1.3	1,294	+0.9	1,137	+0.2	62	+8.8	95	+4.4
1975	1,228	+1.8	1,315	+1.6	1,156	+1.7	63	+1.6	96	+1.1
1976	1,236	+0.6	1,318	+0.2	1,155	−0.1	66	+4.8	97	+1.0
1977	1,234	−0.2	1,319	+0.1	1,155	+0.0	63	−4.5	101	+4.1
1978	1,232	−0.2	1,310	−0.7	1,156	+0.1	60	−4.8	94	−6.9
1979	1,222	−0.8	1,298	−0.9	1,147	−0.8	60	+0.0	91	−3.2
1980	1,221	−0.1	1,299	+0.1	1,153	+0.5	55	−8.3	91	+0.0
1981	1,231	+0.8	1,309	+0.8	1,163	+0.9	55	+0.0	91	+0.0
1982	1,221	−0.8	1,295	−1.1	1,153	−0.9	55	+0.0	91	+0.0
1983	1,218	−0.2	1,297	+0.2	1,154	+0.1	56	+0.0	87	−4.4
1984	1,162	−4.6	1,254	−3.3	1,114	−3.5	57	+1.8	83	−4.6
1985	1,128	−2.9	1,165	−7.1	1,048	−5.9	50	−12.3	67	−19.3

[1] As of October 15

[2] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands

[3] Adult programs are conducted primarily for adults and out-of-school youth and have not been planned as part of a high school curriculum.

[4] High School programs are conducted primarily for high school students and lead concurrently to a high school diploma and eligibility for writing the licensure examination.

[5] High School Extended programs are conducted primarily for high school students and lead to a high school diploma, but require some additional months of preparation after high school graduation.

* Data not available

Table PN-2

LPN/LVN PROGRAMS, BY NLN REGION AND STATE: 1976 TO 1985

NLN REGION AND STATE	NUMBER OF PROGRAMS									
	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
United States[1]	**1,318**	**1,319**	**1,310**	**1,298**	**1,299**	**1,309**	**1,295**	**1,297**	**1,254**	**1,166**
North Atlantic	268	259	248	245	239	233	232	236	234	224
Midwestern	271	273	274	279	281	280	288	286	281	256
Southern	562	572	570	566	575	585	567	564	533	503
Western	217	215	218	208	204	211	208	211	206	188
Alabama	26	25	25	25	25	25	25	25	23	22
Alaska	1	1	1	1	1	1	1	1	1	0
Arizona	13	14	14	13	12	11	12	12	12	12
Arkansas	29	30	29	27	27	29	29	29	28	28
California	100	96	97	91	86	90	94	95	93	79
Colorado	17	17	18	17	17	18	18	18	16	14
Connecticut	10	10	10	10	10	10	10	10	10	10
Delaware	5	5	5	5	5	5	5	5	5	3
District of Columbia	5	3	3	3	3	3	3	3	3	4
Florida	33	35	35	35	35	36	37	37	36	35
Georgia	52	53	53	54	52	53	49	48	45	44
Hawaii	4	4	4	4	4	4	4	4	4	4
Idaho	11	11	11	10	11	10	8	8	8	7
Illinois	42	42	43	45	45	44	44	42	41	39
Indiana	18	17	17	17	17	17	17	18	19	17
Iowa	25	25	25	26	27	27	29	30	27	25
Kansas	16	16	17	17	16	16	18	18	18	16
Kentucky	15	15	16	16	16	16	16	16	16	17
Louisiana	31	35	36	37	37	38	38	37	35	35
Maine	5	5	5	5	5	5	5	5	5	5
Maryland	22	22	20	22	21	21	20	20	20	17
Massachusetts	32	32	31	30	30	26	25	26	24	21
Michigan	37	37	36	36	36	37	37	36	35	32
Minnesota	27	27	27	27	27	27	27	26	26	26
Mississippi	13	13	14	14	14	14	14	13	12	12
Missouri	32	33	33	33	33	34	34	34	35	33
Montana	7	6	6	6	5	5	5	5	5	5
Nebraska	9	9	9	9	9	9	9	8	8	8
Nevada	6	7	7	7	7	6	5	4	4	4
New Hampshire	4	4	4	4	4	4	5	5	5	5
New Jersey	38	37	34	35	35	33	31	32	32	31
New Mexico	11	11	11	10	10	11	9	10	10	8
New York	111	106	99	97	92	90	90	90	89	86
North Carolina	41	41	42	40	39	45	46	46	28	26
North Dakota	3	5	5	6	7	6	7	7	7	5
Ohio	42	42	42	43	44	45	46	47	45	44
Oklahoma	26	27	29	28	31	31	32	35	34	26
Oregon	12	12	12	11	11	11	11	12	12	12
Pennsylvania	53	53	53	52	51	54	54	56	57	54
Rhode Island	2	1	1	1	1	1	1	1	1	1
South Carolina	33	34	31	30	31	31	31	30	28	32
South Dakota	6	6	6	6	6	6	6	6	6	2
Tennessee	7	7	7	6	11	12	12	12	25	23
Texas	157	158	157	155	158	157	142	138	131	111
Utah	5	5	5	5	5	6	6	6	6	6
Vermont	3	3	3	3	3	3	3	3	3	4
Virginia	59	59	58	58	58	58	56	58	52	56
Washington	27	28	29	29	29	28	28	29	28	24
West Virginia	18	18	18	19	20	20	20	20	20	19
Wisconsin	14	14	14	14	14	14	14	14	14	9
Wyoming	3	3	3	4	6	6	7	7	7	7
American Samoa	1	1	1	1	1	1	1	1	1	1
Guam	1	1	1	1	0	0	0	0	0	0
Puerto Rico	19	18	17	18	19	21	23	27	24	24
Virgin Islands	0	0	0	0	0	0	0	1	1	0

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands

LPN/LVN Programs by Source of Funding (Table PN-3)

- Over 91 percent of the 1,165 programs were publicly supported, and about nine percent were privately financed. These percentages remain unchanged from last year.

Table PN-3

LPN/LVN PROGRAMS, BY NLN REGION AND PRIMARY SOURCE OF FINANCIAL SUPPORT: 1976 TO 1985

NLN REGION BY TYPE OF FINANCIAL SUPPORT [1]	NUMBER OF PROGRAMS									
	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
All Regions	**1,318**	**1,319**	**1,310**	**1,298**	**1,298**	**1,309**	**1,295**	**1,297**	**1,254**	**1,165**
Public	1,194	1,205	1,202	1,198	1,197	1,201	1,183	1,185	1,144	1,062
Private	124	114	108	100	101	108	112	112	110	103
North Atlantic	268	259	248	245	239	233	231	236	234	224
Public	234	231	223	223	218	214	209	209	209	189
Private	34	28	25	22	21	19	22	27	25	35
Midwestern	271	273	274	279	281	280	287	286	281	256
Public	248	251	252	258	261	260	266	263	256	237
Private	23	22	22	21	20	20	21	23	25	19
Southern	562	572	570	566	575	585	566	563	533	503
Public	510	520	522	522	526	529	511	512	485	464
Private	52	52	48	44	49	56	55	51	48	39
Western	217	215	218	208	203	211	211	211	206	182
Public	202	203	205	195	192	198	197	200	194	172
Private	15	12	13	13	11	13	14	11	12	10

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Administrative Control of LPN/LVN Programs (Table PN-4)

- The breakdown of LPN/LVN programs by administrative control indicates that 51 percent are located in technical or vocational schools, 32 percent in junior colleges, over 7 percent in secondary schools, 6.4 percent in hospitals, and about 1 percent in government agencies, senior colleges, and independent agencies.
- The reader should note that there are significant regional differences in administrative control that influence the interpretation of data on admissions, enrollments, and graduations. As the following breakdown shows, LPN/LVN programs in the North Atlantic are more likely to be located in technical or vocational schools, whereas programs in the West are more likely to be in junior colleges.

Type of Administrative Control	**NLN Region**				
	North Atlantic	**Midwest**	**South**	**West**	**All Regions**
Technical or vocational school	67.0%	48.4%	54.9%	26.9%	51.4%
Junior or community college	8.9	41.0	26.4	63.2	32.0
Secondary school	12.9	4.7	7.2	6.0	7.6
Hospital	8.9	3.9	8.9	0.0	6.4
Government agency	1.3	0.4	1.4	0.0	0.9
Senior college or university	0.0	1.2	1.0	2.7	1.1
Independent agency	0.9	0.4	0.2	1.1	0.5

Table PN-4

LPN/LVN PROGRAMS, BY NLN REGION AND TYPE OF ADMINISTRATIVE CONTROL: 1976 TO 1985

NLN REGION BY TYPE OF ADMINISTRATIVE CONTROL [1]	NUMBER OF PROGRAMS									
	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
All Regions	**1,318**	**1,319**	**1,310**	**1,298**	**1,299**	**1,309**	**1,295**	**1,297**	**1,254**	**1,165**
Technical or vocational school	683	692	695	693	677	681	673	679	644	599
Junior or community college	361	374	375	381	402	404	398	404	400	373
Secondary school	86	86	76	72	66	67	73	69	83	88
Hospital	136	122	114	101	106	108	108	97	85	75
Government agency	27	22	21	22	19	19	17	17	18	11
Senior college or university	17	16	22	22	23	24	19	20	14	13
Independent agency	8	7	7	7	6	6	7	11	10	6
North Atlantic	268	259	248	245	239	233	231	236	234	224
Technical or vocational school	171	170	169	170	167	162	156	157	157	150
Junior or community college	18	19	19	20	19	21	22	22	22	20
Secondary school	35	34	25	24	24	22	27	29	29	29
Hospital	37	31	28	23	23	22	21	21	20	20
Government agency	4	2	2	3	3	2	3	3	4	3
Senior college or university	1	1	3	3	2	2	0	1	0	0
Independent agency	2	2	2	2	1	2	2	3	2	2
Midwestern	271	273	274	279	281	280	287	286	281	256
Technical or vocational school	144	145	144	149	152	151	153	152	152	124
Junior or community college	98	100	100	101	103	104	105	109	105	105
Secondary school	7	8	8	8	8	8	9	7	8	12
Hospital	15	14	14	13	11	11	14	10	10	10
Government agency	1	1	2	2	0	0	0	0	1	1
Senior college or university	4	3	4	4	5	5	5	5	4	3
Independent agency	2	2	2	2	2	1	1	3	1	1
Southern	562	572	570	566	575	585	566	564	533	503
Technical or vocational school	314	323	326	323	311	313	308	315	283	276
Junior or community college	110	117	119	124	145	149	140	142	141	133
Secondary school	38	39	36	34	28	29	27	24	34	36
Hospital	78	74	69	64	71	73	71	65	54	45
Government agency	16	13	11	12	12	13	10	10	9	7
Senior college or university	5	5	8	8	7	6	7	5	6	5
Independent agency	1	1	1	1	1	2	3	3	6	1
Western	217	215	218	208	204	211	211	211	206	182
Technical or vocational school	54	54	56	51	47	55	56	55	52	49
Junior or community college	135	138	137	136	135	130	131	131	132	115
Secondary school	6	5	7	6	6	8	10	9	12	11
Hospital	6	3	3	1	1	2	2	1	1	0
Government agency	6	6	6	5	4	4	4	4	4	0
Senior college or university	7	7	7	7	9	11	7	9	4	5
Independent agency	3	2	2	2	2	1	1	2	1	2

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

ADMISSIONS

Annual Admissions to LPN/LVN Programs (Tables PN-5 to PN-8)

- Total admissions to LPN/LVN programs dropped 18.7 percent from 1983-84 to 1984-85. This is the second drop in admissions since 1980-81. The total of 47,034 admissions for 1984-85 brings the level of admissions down to that of the late 60's (Table PN-5).

- The number of admissions in 1984-85 represented a net loss over the previous year of more than 10,000 students. All regions showed decreases in annual admissions: the North Atlantic and West reported decreases of 15 and 16 percent respectively, the South reported an 18 percent decline, and the Midwest registered a 24 percent drop (Table PN-6).

Table PN-5

ADMISSIONS TO LPN/LVN PROGRAMS AND PERCENTAGE CHANGE FROM PREVIOUS YEAR: 1965-66 TO 1984-85

YEAR[1]	ADMISSIONS TO LPN/LVN PROGRAMS	
	Number[2]	Percent Change
1965-66	38,287	+6.2
1966-67	40,749	+6.4
1967-68	44,541	+9.3
1968-69	48,379	+8.6
1969-70	54,934	+13.5
1970-71	59,128	+7.6
1971-72	60,593	+2.5
1972-73	59,379	−2.0
1973-74	59,190	−0.3
1974-75	60,322	+1.9
1975-76	61,353	+1.7
1976-77	60,166	−1.9
1977-78	60,610	+0.7
1978-79	57,081	−5.8
1979-80	56,316	−1.3
1980-81	58,479	+3.8
1981-82	60,426	+3.3
1982-83	61,453	+1.7
1983-84	57,865	−5.8
1984-85	47,034	−18.7

[1] Time period is September 1 through August 31 for academic years 1965-66 through 1969-70, and August 1 through July 31 for subsequent years.

[2] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table PN-6

ANNUAL ADMISSIONS TO LPN/LVN PROGRAMS, BY NLN REGION AND STATE: 1975-76 TO 1984-85

NLN REGION AND STATE	NUMBER OF ADMISSIONS									
	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85
United States[1]	**61,353**	**60,166**	**60,610**	**57,081**	**56,316**	**58,479**	**60,426**	**61,453**	**57,865**	**47,034**
North Atlantic	13,696	13,426	12,808	11,708	11,358	11,207	11,921	12,434	11,920	10,131
Midwest	15,969	15,563	15,443	14,969	14,877	15,316	15,439	15,362	13,935	10,533
South	23,171	22,417	23,370	22,451	22,873	24,262	24,684	25,508	24,192	19,810
West	8,517	8,760	8,989	7,953	7,208	7,694	8,382	8,149	7,818	6,560
Alabama	1,396	1,436	1,641	1,745	1,794	1,816	1,784	2,078	1,782	1,432
Alaska	35	46	35	24	24	31	56	24	23	–
Arizona	485	476	589	491	428	326	302	424	378	474
Arkansas	1,139	1,120	1,347	968	1,111	1,170	1,321	1,331	1,198	729
California	4,506	4,520	4,582	4,363	3,977	4,359	4,875	4,471	4,094	3,749
Colorado	777	638	762	573	514	533	583	628	574	313
Connecticut	643	609	506	455	374	393	437	420	402	383
Delaware	111	179	170	155	122	161	254	193	180	104
District of Columbia	216	174	190	173	138	118	124	144	122	116
Florida	2,312	2,381	2,505	2,569	2,545	2,665	2,842	2,713	2,759	2,392
Georgia	2,030	2,065	2,052	1,976	1,991	2,094	2,083	2,066	1,977	1,740
Hawaii	114	153	165	138	144	147	118	122	96	131
Idaho	214	198	196	187	188	183	185	182	181	150
Illinois	2,790	2,620	2,764	2,760	2,789	2,791	2,979	2,780	2,481	2,006
Indiana	1,172	1,072	1,056	1,013	986	1,087	1,131	1,119	1,188	988
Iowa	952	1,051	1,087	1,066	901	880	788	882	741	552
Kansas	699	607	583	533	514	539	548	562	451	451
Kentucky	616	588	707	752	879	966	1,180	1,098	1,128	873
Louisiana	1,698	1,565	1,775	1,746	1,791	1,863	1,813	2,122	1,904	1,745
Maine	227	227	235	260	220	241	234	235	222	206
Maryland	742	615	660	549	614	599	659	618	579	360
Massachusetts	1,452	1,433	1,356	1,304	1,242	1,181	1,157	1,206	995	815
Michigan	2,360	2,260	2,203	2,082	2,122	2,045	1,698	1,749	1,674	1,440
Minnesota	1,443	1,400	1,419	1,411	1,528	1,578	1,614	1,573	1,556	1,141
Mississippi	1,033	953	1,033	908	1,005	1,115	964	912	796	656
Missouri	1,295	1,312	1,268	1,281	1,160	1,348	1,293	1,312	1,222	1,133
Montana	317	335	286	254	242	233	262	240	246	233
Nebraska	592	573	525	508	461	551	636	636	558	339
Nevada	98	133	126	108	72	101	83	59	75	67
New Hampshire	173	145	203	169	192	205	239	208	148	42
New Jersey	1,987	2,011	1,870	1,676	1,729	1,698	1,586	1,745	1,813	1,690
New Mexico	242	398	406	294	163	190	199	258	274	183
New York	5,520	5,394	4,958	4,290	4,015	3,926	4,371	4,386	4,464	4,171
North Carolina	1,420	1,472	1,411	1,243	1,204	1,184	1,086	1,200	1,063	750
North Dakota	313	360	372	329	307	317	368	339	289	115
Ohio	2,805	2,761	2,585	2,483	2,675	2,761	2,906	3,056	2,630	1,979
Oklahoma	823	857	928	922	940	1,007	981	1,097	929	944
Oregon	227	355	360	281	209	181	165	228	136	151
Pennsylvania	2,997	2,883	2,996	2,943	3,062	3,048	3,270	3,561	3,358	2,400
Rhode Island	185	164	118	118	104	102	116	130	100	100
South Carolina	1,088	1,059	866	865	847	827	888	935	790	648
South Dakota	257	256	274	271	278	281	301	295	271	27
Tennessee	1,545	1,214	1,474	1,455	1,371	1,569	1,508	1,146	1,165	1,180
Texas	5,342	5,027	4,883	4,795	4,626	5,033	5,175	5,682	5,292	4,371
Utah	336	379	438	367	316	360	423	428	365	334
Vermont	185	207	206	165	160	169	177	206	163	104
Virginia	1,527	1,552	1,553	1,461	1,566	1,702	1,801	1,825	1,761	1,509
Washington	1,076	1,043	965	789	842	870	891	978	1,071	698
West Virginia	460	513	535	497	589	652	637	685	1,124	481
Wisconsin	1,291	1,291	1,307	1,232	1,156	1,156	1,221	1,059	951	362
Wyoming	90	86	79	84	89	127	114	107	126	77
American Samoa	12	19	23	25	20	19	28	18	12	12
Guam	–	58	53	35	14	–	–	–	–	–
Puerto Rico	907	732	900	812	1,104	1,198	1,063	1,323	1,542	1,637
Virgin Islands	–	–	–	–	–	–	–	–	20	–

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands

Table PN-7

ANNUAL ADMISSIONS TO LPN/LVN PROGRAMS, BY NLN REGION AND PRIMARY SOURCE OF FINANCIAL SUPPORT: 1975-76 TO 1984-85

NLN REGION BY TYPE OF FINANCIAL SUPPORT [1]	NUMBER OF ANNUAL ADMISSIONS									
	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85
All Regions	**61,353**	**60,166**	**60,610**	**57,081**	**56,316**	**58,479**	**60,426**	**61,453**	**57,865**	**47,034**
Public	55,975	55,040	55,656	52,657	52,266	54,419	55,465	56,109	52,554	42,649
Private	5,378	5,126	4,954	4,424	4,050	4,060	4,961	5,344	5,311	4,385
North Atlantic	13,696	13,426	12,808	11,708	11,358	11,207	11,921	12,434	11,920	10,131
Public	11,930	11,714	11,450	10,509	10,270	10,513	10,959	11,221	10,049	8,162
Private	1,766	1,712	1,358	1,199	1,088	694	962	1,213	1,871	1,969
Midwest	15,969	15,563	15,443	14,969	14,877	15,316	15,439	15,382	13,935	10,533
Public	14,698	14,367	14,246	13,889	13,880	14,316	14,470	14,293	12,860	10,105
Private	1,271	1,196	1,197	1,080	997	1,000	969	1,089	1,075	428
South	23,171	22,417	23,370	22,451	22,873	24,262	24,684	25,508	24,192	19,810
Public	21,601	20,973	21,778	21,242	21,678	22,654	22,702	23,476	22,765	18,890
Private	1,570	1,444	1,592	1,209	1,195	1,608	1,982	2,032	1,427	920
West	8,517	8,760	8,989	7,953	7,208	7,694	8,382	8,149	7,818	6,560
Public	7,746	7,986	8,182	7,017	6,438	6,936	7,334	7,119	6,880	5,492
Private	771	774	807	936	770	758	1,048	1,030	938	1,068

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table PN-8

ANNUAL ADMISSIONS TO LPN/LVN PROGRAMS, BY NLN REGION AND TYPE OF ADMINISTRATIVE CONTROL: 1975-76 TO 1984-85

NLN REGION BY TYPE OF ADMINISTRATIVE CONTROL [1]	NUMBER OF ANNUAL ADMISSIONS									
	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85
All Regions	**61,353**	**60,166**	**60,610**	**57,081**	**56,316**	**58,479**	**60,426**	**61,453**	**57,865**	**47,034**
Technical or vocational school	35,039	33,948	35,235	34,130	33,635	34,544	35,837	35,713	33,471	27,000
Junior or community college	15,794	16,167	15,921	15,057	15,146	16,241	16,116	17,201	15,319	12,916
Secondary school	3,203	3,301	2,906	2,628	2,466	2,446	2,790	2,783	4,042	3,626
Hospital	4,802	4,349	3,938	3,383	3,115	3,352	3,918	3,729	2,617	1,510
Government agency	1,618	1,484	1,356	718	834	923	1,111	1,027	1,772	1,498
Senior college or university	534	596	916	864	834	777	481	729	359	208
Independent agency	363	321	338	301	286	196	173	271	285	276
North Atlantic	13,696	13,426	12,808	11,708	11,358	11,207	11,921	12,434	11,920	10,131
Technical or vocational school	9,227	9,105	8,818	8,229	8,056	7,974	8,630	8,699	7,821	6,810
Junior or community college	814	905	919	839	780	965	953	1,367	1,449	1,108
Secondary school	1,663	1,524	1,209	1,029	1,018	947	1,058	1,111	1,602	1,468
Hospital	1,815	1,732	1,388	1,151	1,002	940	989	1,031	814	639
Government agency	53	22	47	48	89	50	254	103	192	70
Senior college or university	66	66	361	356	351	296	0	44	0	0
Independent agency	58	72	66	56	62	35	37	79	42	36
Midwest	15,969	15,563	15,443	14,969	14,877	15,316	15,439	15,362	13,935	10,533
Technical or vocational school	9,246	8,773	8,936	8,875	8,938	9,301	9,095	8,902	8,074	5,704
Junior or community college	5,243	5,219	5,078	4,822	4,744	4,868	4,956	5,246	4,446	3,843
Secondary school	310	516	361	335	358	373	409	322	505	525
Hospital	801	758	761	664	608	597	802	701	494	110
Government agency	16	25	14	29	0	0	0	0	264	263
Senior college or university	133	63	85	70	76	101	99	110	90	61
Independent agency	220	209	208	174	153	76	78	81	62	27
South	23,171	22,417	23,370	22,451	22,873	24,262	24,684	25,508	24,192	19,810
Technical or vocational school	13,850	13,320	14,429	14,251	14,155	14,348	14,786	15,067	14,751	11,817
Junior or community college	5,127	5,050	5,242	5,007	5,629	6,333	5,950	6,403	5,626	4,971
Secondary school	1,036	1,085	965	912	815	860	929	937	1,170	986
Hospital	2,006	1,738	1,711	1,511	1,501	1,815	2,075	1,979	1,286	761
Government agency	933	919	735	460	515	661	623	611	1,002	1,165
Senior college or university	202	287	270	292	239	198	263	440	219	91
Independent agency	17	18	18	18	19	47	58	71	138	19
West	8,517	8,760	8,989	7,953	7,208	7,694	8,382	8,149	7,818	6,560
Technical or vocational school	2,716	2,750	3,052	2,775	2,486	2,921	3,326	3,045	2,825	2,669
Junior or community college	4,610	4,993	4,682	4,389	3,993	4,075	4,257	4,185	3,798	2,994
Secondary school	194	176	371	352	275	266	394	413	765	647
Hospital	180	121	78	57	4	0	52	18	23	0
Government agency	616	518	560	181	230	212	234	313	314	0
Senior college or university	133	180	200	146	168	182	119	135	50	56
Independent agency	68	22	46	53	52	38	0	40	43	194

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands

Fall Admissions to LPN/LVN Programs (Tables PN-9 to PN-12)

- Fall admissions (defined as admissions from August through December) typically constitute over 60 percent of annual admissions, and are therefore an important gauge for estimating annual admissions.

- In 1985, fall admissions dropped for the third year in a row, resulting in a more than 26.5 percent decrease since 1982 (Table PN-9).

- A look at regional differences concerning fall admissions indicates that the South leads with 41 percent of the total. The North Atlantic and Midwest regions follow with 24 percent and 23 percent respectively. The West lags behind with 12 percent of the total fall admissions to LPN/LVN programs (Table PN-10).

- The overwhelming majority of fall admissions are found in publicly funded programs (91%). Regional differences in source of financial support are minor (Table PN-11).

- The pattern of fall admissions by administrative control is, as one would expect, similar to that of annual admissions. Fall admissions to technical or vocational schools represent 57.4 percent of the total. Junior or community colleges follow with 27 percent of the total fall admissions. Smaller percentages are found in hospital programs (3.8%), secondary schools (8.6%), senior colleges (0.6%), government agencies (2.2%), and independent agencies (0.4%) (Table PN-12).

Historical trends: Fall admissions to LPN/LVN programs peaked in 1974 and again in 1982. Since the last peak in 1982, fall admissions have plunged over 26.5 percent. The 1985 figure of 29,067 fall admissions is the lowest since the late 60s.

Table PN-9
FALL ADMISSIONS TO LPN/LVN PROGRAMS WITH PERCENTAGE CHANGE FROM PREVIOUS YEAR: 1971 TO 1985

YEAR[1]	FALL ADMISSIONS	
	Number[2]	Percent Change
1971	37,911	+28.5
1972	37,480	−1.1
1973	37,952	+1.3
1974	39,425	+3.9
1975	39,421	−0.0
1976	39,163	−0.6
1977	38,943	−0.6
1978	36,589	−6.0
1979	36,177	−1.1
1980	37,044	+2.4
1981	38,236	+3.2
1982	39,560	+3.4
1983	37,788	−4.5
1984	33,351	−11.7
1985	29,067	−12.8

[1] Time period is August 1 through December 31

[2] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands

Table PN-10

FALL ADMISSIONS TO LPN/LVN PROGRAMS, BY NLN REGION AND STATE: 1976 TO 1985

NLN REGION AND STATE	NUMBER OF FALL ADMISSIONS									
	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
United States[1]	**39,163**	**38,943**	**36,589**	**36,177**	**37,044**	**38,236**	**39,560**	**37,788**	**33,351**	**29,067**
North Atlantic	10,238	9,909	8,842	8,552	8,382	8,717	9,122	8,868	8,111	7,007
Midwest	10,530	10,116	10,229	10,043	10,223	10,191	10,203	9,867	7,895	6,658
South	13,508	13,671	12,703	13,302	14,242	14,853	15,758	14,815	13,253	11,862
West	4,887	5,247	4,815	4,280	4,197	4,475	4,477	4,438	4,092	3,540
Alabama	722	896	911	891	962	952	1,157	1,046	837	708
Alaska	46	33	23	24	22	32	7	23	9	–
Arizona	330	354	363	362	246	162	175	210	181	150
Arkansas	708	699	324	624	739	921	931	883	610	558
California	2,248	2,346	2,234	1,978	2,140	2,207	2,201	2,052	1,820	1,891
Colorado	372	520	364	330	343	404	381	401	286	201
Connecticut	442	408	406	339	359	406	399	0	40	102
Delaware	129	148	125	110	110	163	126	131	98	76
District of Columbia	101	155	173	213	88	111	120	99	101	113
Florida	1,075	1,111	1,079	1,028	1,103	1,119	1,237	1,183	1,191	1,062
Georgia	1,153	1,106	1,012	1,064	1,132	1,188	1,115	1,057	1,066	986
Hawaii	115	120	112	99	98	84	93	98	101	119
Idaho	136	137	156	137	134	141	143	121	92	82
Illinois	2,091	1,810	1,890	1,952	2,108	2,073	1,969	1,825	1,472	1,261
Indiana	688	660	625	591	699	706	698	757	704	653
Iowa	716	695	706	653	530	505	469	498	441	384
Kansas	309	333	318	329	271	308	358	338	264	281
Kentucky	319	427	389	423	617	729	732	705	477	506
Louisiana	609	811	670	778	714	821	893	768	743	1,019
Maine	159	156	153	173	190	185	185	185	173	132
Maryland	549	567	480	500	516	544	522	484	417	261
Massachusetts	1,246	1,233	1,168	1,127	1,180	1,112	1,154	1,046	870	780
Michigan	1,334	1,370	1,290	1,328	1,273	1,098	1,221	1,013	911	920
Minnesota	1,103	1,094	1,213	1,245	1,224	1,252	1,185	1,093	949	916
Mississippi	493	479	466	488	583	582	616	472	507	348
Missouri	1,048	993	1,051	944	1,023	1,015	1,070	991	895	687
Montana	208	188	186	177	134	146	141	181	113	127
Nebraska	319	319	282	264	285	315	323	323	234	206
Nevada	93	127	83	74	87	81	69	60	62	52
New Hampshire	144	188	146	175	157	175	157	94	99	22
New Jersey	1,405	1,305	1,127	1,129	1,164	1,066	1,159	1,187	1,242	1,009
New Mexico	234	350	348	230	173	148	140	159	198	103
New York	4,683	4,491	3,759	3,484	3,384	3,720	3,952	4,039	3,662	3,223
North Carolina	1,191	1,139	1,063	940	850	904	878	881	705	579
North Dakota	175	192	172	184	188	229	202	218	143	46
Ohio	1,825	1,754	1,745	1,657	1,769	1,814	1,897	1,816	1,366	1,173
Oklahoma	578	590	607	606	729	674	736	699	637	710
Oregon	191	123	172	202	89	87	137	168	136	105
Pennsylvania	1,666	1,615	1,584	1,610	1,569	1,619	1,693	1,873	1,703	1,356
Rhode Island	165	118	116	100	100	116	130	100	102	116
South Carolina	768	727	705	711	699	736	760	758	619	547
South Dakota	190	187	229	237	239	245	239	232	161	14
Tennessee	560	526	536	676	533	643	555	535	592	675
Texas	3,034	2,862	2,836	2,786	3,180	3,105	3,559	3,296	3,056	2,267
Utah	227	235	152	51	54	123	185	165	153	111
Vermont	98	92	85	89	81	92	95	114	66	78
Virginia	1,303	1,287	1,219	1,377	1,452	1,542	1,623	1,525	1,474	1,333
Washington	598	639	558	546	563	644	585	686	730	535
West Virginia	446	444	406	410	433	418	470	523	361	303
Wisconsin	732	709	708	659	614	657	608	563	391	117
Wyoming	89	75	64	70	114	117	110	114	91	64
American Samoa	19	22	25	20	19	20	17	17	17	17
Guam	–	38	20	14	–	–	–	–	–	–
Puerto Rico	412	495	323	475	464	367	625	801	699	1,624
Virgin Islands	–	–	–	–	–	–	–	19	20	–

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table PN-11

FALL ADMISSIONS TO LPN/LVN PROGRAMS, BY NLN REGION AND PRIMARY SOURCE OF FINANCIAL SUPPORT: 1976 TO 1985

NLN REGION BY TYPE OF FINANCIAL SUPPORT [1]	NUMBER OF FALL ADMISSONS									
	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
All Regions	**39,163**	**38,943**	**36,589**	**36,177**	**37,044**	**38,236**	**39,560**	**37,788**	**33,351**	**29,067**
Public	35,665	35,683	33,549	33,349	34,301	35,175	36,346	34,573	30,550	26,355
Private	3,498	3,260	3,040	2,828	2,743	3,061	3,214	3,215	2,801	2,712
North Atlantic	10,238	9,909	8,842	8,552	8,382	8,717	9,122	8,868	8,111	7,007
Public	8,835	8,743	7,908	7,705	7,682	7,948	8,211	7,873	6,821	5,605
Private	1,403	1,166	934	847	700	769	911	995	1,290	1,402
Midwest	10,530	10,116	10,229	10,043	10,223	10,191	10,203	9,667	7,895	6,658
Public	9,676	9,301	9,435	9,265	9,564	9,441	9,582	8,963	7,362	6,400
Private	854	815	794	778	659	750	621	704	533	258
South	13,508	13,671	12,703	13,302	14,242	14,853	15,758	14,815	13,253	11,862
Public	12,582	12,739	11,842	12,505	13,256	13,678	14,578	13,652	12,594	11,248
Private	926	932	861	797	986	1,175	1,180	1,163	659	614
West	4,887	5,247	4,815	4,280	4,197	4,475	4,477	4,438	4,092	3,540
Public	4,572	4,900	4,364	3,874	3,799	4,108	3,975	4,085	3,773	3,102
Private	315	347	451	406	398	367	502	353	319	438

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table PN-12

FALL ADMISSIONS TO LPN/LVN PROGRAMS, BY NLN REGION AND TYPE OF ADMINISTRATIVE CONTROL: 1976 TO 1985

NLN REGION BY TYPE OF ADMINISTRATIVE CONTROL[1]	NUMBER OF FALL ADMISSIONS									
	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
All Regions	**39,163**	**38,943**	**36,589**	**36,177**	**37,044**	**38,236**	**39,560**	**37,788**	**33,261**	**29,067**
Technical or vocational school	21,705	21,710	20,608	21,007	21,451	22,064	22,985	21,437	18,341	16,678
Junior or community college	10,176	10,370	10,002	9,503	10,148	10,427	10,566	10,815	9,820	7,843
Secondary school	2,701	2,680	2,354	2,209	2,123	2,002	2,252	2,178	2,401	2,512
Hospital	3,316	2,921	2,502	2,315	2,422	2,643	2,906	2,328	1,501	1,110
Government agency	614	558	243	375	273	476	290	315	786	644
Senior college or university	465	500	665	589	539	526	395	540	248	164
Independent agency	186	224	215	179	88	98	166	175	164	116
North Atlantic	10,238	9,909	8,842	8,552	8,382	8,717	9,122	8,868	8,111	7,007
Technical or vocational school	6,549	6,630	5,881	5,844	5,718	5,987	6,116	5,681	5,041	4,515
Junior or community college	620	636	676	618	669	667	908	1,096	1,165	731
Secondary school	1,440	1,275	1,001	913	952	879	1,067	1,109	1,082	1,135
Hospital	1,494	1,231	1,006	845	827	904	951	826	686	523
Government agency	12	0	0	54	46	93	35	40	102	66
Senior college or university	66	70	222	216	146	150	0	36	0	0
Independent agency	57	67	56	62	24	37	45	80	35	37
Midwest	10,530	10,116	10,229	10,043	10,223	10,191	10,203	9,667	7,895	6,658
Technical or vocational college	5,829	5,336	5,716	5,676	6,147	6,047	5,839	5,508	4,406	3,588
Junior or community college	3,749	3,704	3,523	3,381	3,227	3,311	3,368	3,365	2,815	2,534
Secondary school	202	356	280	282	279	218	275	190	232	335
Hospital	568	536	508	505	426	473	586	480	255	61
Government agency	12	5	29	30	0	0	0	0	88	80
Senior college or university	63	68	68	70	103	100	95	85	83	60
Independent agency	107	111	105	99	41	42	40	39	16	0
South	13,508	13,671	12,703	13,302	14,242	14,853	15,758	14,815	13,253	11,862
Technical or vocational school	7,853	8,278	7,579	8,211	8,271	8,579	9,320	8,736	7,619	7,246
Junior or community college	2,962	2,860	2,967	2,945	3,836	3,888	3,957	3,786	3,451	2,781
Secondary school	885	869	771	741	613	709	689	728	884	761
Hospital	1,154	1,113	948	965	1,169	1,227	1,325	1,004	521	526
Government agency	445	336	214	251	177	295	225	193	525	498
Senior college or university	209	215	224	189	176	136	201	312	140	43
Independent agency	0	0	0	0	0	19	41	56	113	7
West	4,887	5,247	4,815	4,280	4,197	4,475	4,477	4,438	4,029	3,540
Technical or vocational school	1,474	1,466	1,432	1,276	1,315	1,451	1,710	1,512	1,275	1,329
Junior or community college	2,845	3,170	2,836	2,559	2,416	2,561	2,333	2,568	2,389	1,797
Secondary school	174	180	302	273	279	196	221	151	203	281
Hospital	100	41	40	0	0	39	44	18	39	0
Government agency	145	217	0	40	50	88	30	82	71	0
Senior college or university	127	147	151	114	114	140	99	107	25	61
Independent agency	22	46	54	18	23	0	40	0	0	72

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

ENROLLMENTS

Enrollments in LPN/LVN Programs (Tables PN-13 to PN-16)

- Enrollments in LPN/LVN programs dropped over 19 percent in 1985. This decrease follows on the heels of an almost 12 percent drop in 1984 (Table PN-13).

- The Southern region reported 41.4 percent of the total enrollments in LPN/LVN programs in the United States. The Midwest reported 22 percent; the North Atlantic, 23 percent; and the West, 14 percent (Table PN-14).

- Over 91 percent of the total enrollments are located in publicly supported programs (Table PN-15).

- The distribution of total enrollments among programs under the various types of administrative control mirrors the pattern reported for fall admissions and annual admissions. Examining regional differences, the West has the greatest proportion of enrollments in junior or community colleges (Table PN-16).

Historical trends: Enrollments in LPN/LVN programs peaked in 1974 at 57,902 and again in 1982 at 57,367. The percentage decline over the past decade (1976) has been 32.6 percent. The five-year trend indicates a 25 percent drop since 1980.

Table PN-13
ENROLLMENTS IN LPN/LVN PROGRAMS WITH PERCENTAGE CHANGE FROM PREVIOUS YEAR: 1966 TO 1985

YEAR	ENROLLMENTS	
	Number[1]	Percent Change
1966	36,269	+ 8.8
1967	40,624	+ 12.0
1968	43,698	+ 7.6
1969	47,636	+ 9.0
1970	52,526	+ 10.3
1971	57,114	+ 8.7
1972	57,287	+ 0.3
1973	56,267	− 1.8
1974	57,902	+ 2.9
1975	58,460	+ 1.0
1976	58,423	− 0.1
1977	56,943	− 2.5
1978	54,543	− 4.2
1979	52,202	− 4.3
1980	52,565	+ 0.7
1981	55,024	+ 4.7
1982	57,367	+ 4.2
1983	55,446	− 3.4
1984	48,840	− 11.9
1985	39,345	− 19.4

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table PN-14

ENROLLMENTS IN LPN/LVN PROGRAMS, BY NLN REGION AND STATE: 1976-1985

NLN REGION AND STATE	NUMBER OF ENROLLMENTS									
	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
United States[1]	**58,423**	**56,943**	**54,543**	**52,202**	**52,565**	**55,024**	**57,367**	**55,446**	**48,840**	**39,345**
North Atlantic	14,834	13,924	12,666	11,686	11,339	11,867	12,331	12,383	11,177	8,986
Midwest	14,558	14,165	13,729	13,444	13,439	14,098	14,086	13,711	11,279	8,625
South	21,179	20,685	20,210	19,743	20,753	21,664	23,000	22,015	19,393	16,304
West	7,852	8,169	7,938	7,329	7,034	7,395	7,950	7,837	6,991	5,430
Alabama	1,254	1,371	1,373	1,393	1,444	1,493	1,636	1,641	1,178	1,018
Alaska	42	33	23	24	20	23	22	22	7	–
Arizona	455	421	488	368	331	325	319	255	301	239
Arkansas	905	895	849	937	988	1,107	1,187	1,154	762	596
California	4,420	4,583	4,449	4,420	4,226	4,329	4,841	4,137	3,861	3,340
Colorado	607	663	555	458	424	514	533	565	397	199
Connecticut	578	498	485	369	383	409	422	332	328	302
Delaware	158	186	164	163	146	228	272	270	210	63
District of Columbia	227	202	203	194	94	120	119	118	113	140
Florida	2,079	2,164	2,135	2,124	2,192	2,398	2,427	2,465	2,266	1,905
Georgia	1,611	1,602	1,664	1,736	1,714	1,662	1,704	1,719	1,519	1,332
Hawaii	108	112	135	106	137	109	120	117	93	117
Idaho	180	186	197	158	154	166	164	174	128	112
Illinois	2,669	2,554	2,548	2,523	2,531	2,734	2,738	2,471	2,059	1,523
Indiana	1,058	975	934	911	953	1,030	1,021	1,068	944	883
Iowa	919	931	979	939	754	728	674	849	589	427
Kansas	559	556	518	487	435	484	528	467	395	347
Kentucky	637	609	638	633	769	979	1,005	803	748	755
Louisiana	1,414	1,451	1,428	1,334	1,347	1,547	1,577	1,523	1,419	1,340
Maine	217	214	211	247	214	220	222	211	192	151
Maryland	775	810	703	687	697	714	639	670	596	379
Massachusetts	1,391	1,309	1,289	1,220	1,241	1,122	1,141	1,055	881	774
Michigan	2,139	2,062	1,898	1,869	1,803	1,707	1,651	1,481	1,501	1,304
Minnesota	1,217	1,229	1,300	1,343	1,401	1,427	1,361	1,302	1,078	927
Mississippi	818	813	859	800	876	933	820	716	741	513
Missouri	1,197	1,226	1,106	1,104	1,214	1,275	1,254	1,219	1,156	957
Montana	256	223	186	188	170	212	[illegible]	196	178	171
Nebraska	524	489	437	435	415	493	545	533	415	303
Nevada	88	127	118	98	86	97	68	49	62	52
New Hampshire	167	186	184	160	181	212	235	203	134	51
New Jersey	2,006	1,866	1,628	1,598	1,537	1,503	1,552	1,586	1,831	1,220
New Mexico	225	338	349	239	190	142	180	275	263	125
New York	6,977	6,487	5,531	4,825	4,603	4,895	5,079	5,132	4,407	4,009
North Carolina	1,341	1,294	1,208	1,039	1,069	1,128	1,103	1,078	860	634
North Dakota	274	215	202	265	242	303	263	327	206	126
Ohio	2,583	2,501	2,398	2,165	2,450	2,644	2,785	2,824	2,155	1,643
Oklahoma	828	785	867	867	937	906	981	994	808	729
Oregon	268	244	264	254	195	155	183	206	180	129
Pennsylvania	2,740	2,679	2,679	2,686	2,717	2,948	3,038	3,206	2,898	2,085
Rhode Island	162	117	114	95	94	113	125	96	96	98
South Carolina	1,077	1,032	891	887	869	926	964	961	710	617
South Dakota	258	243	238	255	278	265	281	282	193	13
Tennessee	1,371	1,179	1,048	988	992	1,137	1,456	691	1,110	1,033
Texas	4,654	4,111	4,116	3,862	4,212	3,968	4,471	4,702	4,370	3,414
Utah	289	319	287	237	225	319	375	374	338	287
Vermont	211	180	178	139	129	163	170	174	162	93
Virginia	2,001	2,064	1,962	1,972	2,073	2,211	2,474	2,294	1,981	1,644
Washington	831	851	823	706	752	774	718	859	856	596
West Virginia	414	505	469	484	574	566	589	604	408	395
Wisconsin	1,161	1,184	1,121	1,148	963	1,049	1,034	888	657	172
Wyoming	83	69	64	73	124	112	102	108	100	63
American Samoa	19	33	34	30	29	30	25	24	17	17
Guam	–	104	47	41	–	–	–	–	–	–
Puerto Rico	928	923	996	968	1,280	1,308	1,355	1,522	1,661	2,125
Virgin Islands	–	–	–	–	–	–	–	19	20	–

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table PN-15

ENROLLMENTS IN LPN/LVN PROGRAMS, BY NLN REGION AND PRIMARY SOURCE OF FINANCIAL SUPPORT: 1976 TO 1985

NLN REGION BY TYPE OF FINANCIAL SUPPORT [1]	NUMBER OF ENROLLMENTS									
	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
All Regions	**58,423**	**56,943**	**54,543**	**52,202**	**52,565**	**55,024**	**57,367**	**55,446**	**48,860**	**39,345**
Public	53,534	52,452	50,340	48,515	48,986	51,163	52,886	51,103	44,778	35,926
Private	4,889	4,491	4,203	3,687	3,579	3,861	4,481	4,343	4,082	3,419
North Atlantic	14,834	13,924	12,666	11,686	11,339	11,867	12,331	12,383	11,177	8,986
Public	13,213	12,549	11,559	10,684	10,477	11,048	11,342	11,280	9,640	7,401
Private	1,621	1,375	1,107	1,002	862	819	989	1,103	1,537	1,585
Midwest	14,558	14,165	13,729	13,444	13,439	14,098	14,086	13,711	11,279	8,625
Public	13,345	13,029	12,619	12,467	12,586	13,132	13,234	12,758	10,508	8,282
Private	1,213	1,136	1,110	977	853	966	852	953	771	343
South	21,179	20,685	20,210	19,743	20,753	21,664	23,000	22,015	19,393	16,304
Public	19,818	19,375	18,959	18,705	19,607	20,273	21,317	20,414	18,368	15,570
Private	1,361	1,310	1,251	1,038	1,146	1,391	1,683	1,601	1,025	734
West	7,852	8,169	7,938	7,329	7,034	7,395	7,950	7,337	6,991	5,430
Public	7,158	7,499	7,203	6,659	6,316	6,710	6,993	6,651	6,262	4,673
Private	694	670	735	670	718	685	957	686	729	757

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[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands

Table PN-16

ENROLLMENTS IN LPN/LVN PROGRAMS, BY NLN REGION AND ADMINISTRATIVE CONTROL: 1976 TO 1985

NLN REGION BY TYPE OF ADMINISTRATIVE CONTROL [1]	NUMBER OF ENROLLMENTS									
	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
All Regions	**58,423**	**56,943**	**54,543**	**52,202**	**52,585**	**55,024**	**57,367**	**55,446**	**48,840**	**39,345**
Technical or vocational school	33,322	32,672	31,481	30,740	30,892	32,729	33,774	31,876	27,254	22,495
Junior or community college	14,805	14,733	14,224	13,765	14,294	14,569	15,048	15,376	13,574	10,499
Secondary school	4,124	4,065	3,567	3,159	3,004	3,096	3,533	3,296	3,771	3,624
Hospital	4,296	3,708	3,293	2,810	2,905	3,098	3,599	3,025	1,991	1,184
Government agency	1,001	885	903	727	584	714	784	962	1,669	1,183
Senior college or university	532	550	797	788	719	655	430	642	342	183
Independent agency	343	330	278	284	167	163	199	269	239	177
North Atlantic	14,834	13,924	12,666	11,686	11,339	11,867	12,331	12,383	11,177	8,986
Technical or vocational school	9,942	9,581	8,614	8,117	7,866	8,347	8,556	8,564	7,375	5,949
Junior or community college	780	812	847	807	791	852	997	1,122	1,245	863
Secondary school	2,258	1,967	1,617	1,383	1,417	1,324	1,492	1,441	1,549	1,580
Hospital	1,694	1,409	1,174	961	940	968	1,001	887	723	499
Government agency	61	17	36	62	67	101	241	245	252	72
Senior college or university	64	69	325	294	234	239	0	36	0	0
Independent agency	55	69	53	62	24	36	44	87	33	23
Midwest	14,558	14,165	13,729	13,444	13,439	14,098	14,086	13,711	11,279	8,625
Technical or vocational college	8,411	8,029	8,068	7,948	8,215	8,653	8,270	7,943	6,569	4,677
Junior or community college	4,782	4,616	4,312	4,272	4,176	4,381	4,542	4,692	3,683	3,085
Secondary school	277	520	366	366	336	320	411	290	394	488
Hospital	783	711	692	599	526	582	712	626	324	91
Government agency	22	24	39	33	0	0	0	0	188	206
Senior college or university	88	68	65	68	102	100	93	92	88	53
Independent agency	195	197	187	158	84	62	58	68	33	25
South	21,179	20,685	20,210	19,743	20,753	21,664	23,000	22,015	19,393	16,304
Technical or vocational school	12,622	12,611	12,297	12,410	12,536	13,143	14,041	12,913	11,084	9,754
Junior or community college	4,604	4,360	4,486	4,188	5,182	5,250	5,272	5,539	4,860	3,890
Secondary school	1,381	1,424	1,283	1,154	997	1,147	1,146	1,142	1,229	1,068
Hospital	1,676	1,530	1,363	1,250	1,436	1,523	1,835	1,494	893	604
Government agency	621	459	517	468	368	442	421	462	981	905
Senior college or university	258	283	248	256	223	131	228	386	211	76
Independent agency	17	18	16	17	11	28	57	79	135	7
West	7,852	8,169	7,938	7,329	7,034	7,395	7,950	7,337	6,991	5,430
Technical or vocational school	2,347	2,451	2,502	2,265	2,275	2,586	2,907	2,456	2,226	2,115
Junior or community college	4,639	4,945	4,579	4,468	4,145	4,086	4,237	4,022	3,786	2,661
Secondary school	193	154	301	256	254	305	484	423	599	478
Hospital	143	58	64	0	3	25	51	18	51	0
Government agency	357	385	311	164	149	171	122	255	248	0
Senior college or university	122	130	159	129	160	185	109	128	43	54
Independent agency	51	46	22	47	48	37	40	35	38	122

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[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands

GRADUATIONS

Graduations From LPN/LVN Programs (Tables PN-17 to PN-20)

- The number of graduations from practical and vocational nursing programs dropped from 44,054 in 1983-84 to 36,955 in 1984-85. This represents a 17.2 percent decrease in one year and an almost 20 percent drop in two years (Table PN-17).

- The majority of graduates of LPN/LVN programs are coming from Southern schools (38.8%). The Midwestern schools reported 24.6 percent of the graduations, the North Atlantic schools 20.6 percent, and the Western schools 16.0 percent (Table PN-18).

- Graduations from publicly supported schools constitute 91.3 percent of the total (Table PN-19).

- Over half the graduations from LPN/LVN programs stem from technical or vocational schools (55%). Almost a third graduated from junior or community colleges (30.5%). Graduations from hospital programs (3.4%), secondary schools (7.1%), government agencies (2.2%), senior colleges (0.8%) and independent agencies (0.5%) account for the remaining graduates (Table PN-20).

Historical trends: The number of LPN/LVN graduates peaked in 1975-76 at 47,145. Since then, the number of graduations has dropped 21.6 percent. Graduations declined almost 10 percent in the past five years.

Table PN-17

GRADUATIONS FROM LPN/LVN PROGRAMS WITH PERCENTAGE CHANGE FROM PREVIOUS YEAR: 1965-66 TO 1984-85

YEAR[1]	GRADUATIONS[2]		YEAR[1]	GRADUATIONS[2]	
	Number	Percent Change		Number	Percent Change
1965-66	25,326	+ 5.5	1975-76	47,145	+ 3.9
1966-67	27,342	+ 8.0	1976-77	46,614	− 1.1
1967-68	30,294	+ 10.8	1977-78	45,350	− 2.7
1968-69	34,344	+ 13.4	1978-79	44,235	− 2.5
1969-70	36,456	+ 6.1	1979-80	41,892	− 5.3
1970-71	37,954	+ 4.1	1980-81	41,002	− 2.1
1971-72	43,673	+ 15.1	1981-82	43,299	+ 5.6
1972-73	45,565	+ 4.3	1982-83	45,174	+ 4.3
1973-74	45,002	− 1.2	1983-84	44,654	− 2.5
1974-75	45,375	+ 0.8	1984-85	36,955	− 17.2

[1] Time period is September 1 through August 31 for academic years 1965-66 through 1981-82, and August 1 through July 31 for subsequent years

[2] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands

Table PN-18

GRADUATIONS FROM LPN/LVN PROGRAMS, BY NLN REGION AND STATE: 1975-76 TO 1984-85

NLN REGION AND STATE	NUMBER OF GRADUATIONS									
	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85
United States[1]	**47,145**	**46,614**	**45,350**	**44,235**	**41,892**	**41,002**	**43,299**	**45,174**	**44,064**	**36,955**
North Atlantic	10,619	10,371	9,960	9,298	8,616	7,952	8,291	8,782	8,858	7,605
Midwest	12,790	12,739	12,507	12,352	11,522	11,557	11,983	12,565	11,715	9,077
South	16,678	16,578	16,212	15,789	15,629	15,486	16,497	17,083	16,978	14,322
West	7,058	6,926	6,671	6,796	6,125	6,007	6,528	6,744	6,503	5,951
Alabama	933	1,086	959	1,097	1,138	1,105	1,216	1,226	1,392	1,014
Alaska	18	17	31	19	16	15	8	12	15	–
Arizona	349	445	415	453	367	329	389	384	400	464
Arkansas	815	903	824	783	825	954	908	1,181	947	699
California	3,474	3,423	3,276	3,371	3,095	2,944	3,189	3,489	2,999	2,896
Colorado	717	580	665	531	459	480	497	511	526	304
Connecticut	537	524	463	388	343	279	228	229	296	311
Delaware	113	113	153	72	78	50	91	82	89	63
District of Columbia	155	95	85	108	70	65	81	71	59	45
Florida	2,076	946	1,978	1,797	1,819	1,828	1,927	2,148	2,250	1,930
Georgia	1,507	1,399	1,378	1,422	1,416	1,270	1,267	1,461	1,301	1,101
Hawaii	102	105	116	119	100	124	116	128	114	91
Idaho	190	189	172	196	179	136	150	138	149	128
Illinois	2,009	2,006	2,223	2,151	2,086	2,120	2,125	2,259	1,913	1,566
Indiana	1,078	871	958	841	727	768	855	857	893	824
Iowa	816	870	808	917	877	722	754	809	710	483
Kansas	625	550	568	556	548	573	570	716	681	512
Kentucky	477	539	439	435	547	595	803	708	722	684
Louisiana	892	1,070	962	1,002	1,008	943	976	1,109	1,035	911
Maine	175	197	194	189	201	213	185	247	266	156
Maryland	556	484	498	376	357	367	379	387	429	254
Massachusetts	1,245	1,143	1,129	1,078	1,029	980	1,184	913	837	611
Michigan	1,956	1,977	1,664	1,698	1,577	1,524	1,613	1,488	1,348	1,112
Minnesota	1,002	1,161	1,133	1,281	1,205	1,204	1,135	1,118	1,058	908
Mississippi	733	626	700	688	618	694	708	657	588	531
Missouri	1,014	1,077	1,085	1,001	931	903	1,068	1,073	1,096	972
Montana	218	190	185	165	168	133	129	132	155	145
Nebraska	498	439	432	364	365	338	381	468	446	391
Nevada	87	81	70	91	83	72	86	67	57	62
New Hampshire	146	130	142	155	114	146	143	200	209	122
New Jersey	1,438	1,512	1,490	1,361	1,257	1,138	1,190	1,171	1,132	1,162
New Mexico	240	296	281	314	230	278	296	294	274	266
New York	3,921	3,791	3,591	3,092	2,735	2,565	2,498	2,924	2,933	2,736
North Carolina	1,038	1,063	1,064	1,010	878	870	873	929	788	539
North Dakota	263	268	305	278	238	243	249	282	256	95
Ohio	2,258	2,156	2,081	2,097	1,861	2,036	2,176	2,333	2,380	1,821
Oklahoma	618	656	703	739	736	774	704	721	720	686
Oregon	369	403	362	345	356	365	375	358	319	343
Pennsylvania	2,541	2,525	2,435	2,590	2,564	2,338	2,479	2,705	2,855	2,214
Rhode Island	162	187	108	95	86	72	99	111	87	78
South Carolina	571	622	624	478	448	508	542	515	576	416
South Dakota	221	231	234	207	208	229	215	245	231	24
Tennessee	1,189	1,023	953	899	1,046	974	1,355	936	821	960
Texas	3,778	3,751	3,715	3,607	3,441	3,136	3,221	3,410	3,885	3,203
Utah	271	197	230	249	261	246	267	339	311	248
Vermont	186	154	170	170	139	123	131	129	128	107
Virginia	1,074	1,043	982	1,016	923	993	1,114	1,149	1,083	1,001
Washington	959	937	810	879	753	788	874	806	953	919
West Virginia	421	367	433	440	429	475	514	546	497	393
Wisconsin	1,050	1,133	1,016	961	899	897	880	917	752	369
Wyoming	64	63	58	64	58	80	86	86	93	85
American Samoa	12	10	0	9	10	10	8	0	12	12
Guam	19	23	41	24	16	–	–	–	–	–
Puerto Rico	905	650	600	798	618	856	897	932	1,020	1,415
Virgin Islands	–	–	–	–	–	–	–	–	–	–

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands

Table PN-19

GRADUATIONS FROM LPN/LVN PROGRAMS, BY NLN REGION AND PRIMARY SOURCE OF FINANCIAL SUPPORT: 1975-76 TO 1984-85

NLN REGION BY TYPE OF FINANCIAL SUPPORT [1]	NUMBER OF GRADUATIONS									
	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85
All Regions	**47,145**	**46,614**	**45,350**	**44,235**	**41,892**	**41,002**	**43,299**	**45,174**	**44,054**	**36,955**
Public	42,701	42,179	41,244	40,625	38,768	38,120	40,259	41,343	39,721	33,732
Private	4,444	4,435	4,106	3,610	3,124	2,882	3,040	3,831	4,333	3,223
North Atlantic	10,619	10,371	9,960	9,298	8,616	7,952	8,291	8,782	8,858	7,605
Public	9,212	8,850	8,664	8,297	7,698	7,312	7,629	7,845	7,303	6,221
Private	1,407	1,521	1,296	1,001	918	640	662	937	1,555	1,384
Midwest	12,790	12,739	12,507	12,352	11,522	11,557	11,983	12,565	11,715	9,077
Public	11,668	11,681	11,467	11,311	10,693	10,720	11,387	11,697	10,758	8,591
Private	1,122	1,058	1,040	1,041	829	837	596	868	957	486
South	16,678	16,578	16,212	15,789	15,629	15,486	16,497	17,083	16,978	14,322
Public	15,520	15,407	15,017	14,826	14,758	14,560	15,325	15,708	15,755	13,622
Private	1,158	1,171	1,195	963	871	926	1,172	1,375	1,223	700
West	7,058	6,926	6,671	6,796	6,125	6,007	6,528	6,744	6,503	5,951
Public	6,301	6,241	6,096	6,191	5,619	5,528	5,918	6,093	5,905	5,298
Private	757	685	575	605	506	479	610	651	598	653

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands

Table PN-20

GRADUATIONS FROM LPN/LVN PROGRAMS, BY NLN REGION AND TYPE OF ADMINISTRATIVE CONTROL: 1975-76 TO 1984-85

NLN REGION BY TYPE OF ADMINISTRATIVE CONTROL [1]	NUMBER OF GRADUATIONS									
	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85
All Regions	**47,145**	**46,614**	**45,350**	**44,235**	**41,892**	**41,002**	**43,299**	**45,174**	**44,054**	**36,955**
Technical or vocational school	26,546	25,812	25,407	24,971	23,901	23,297	24,786	25,302	24,089	20,487
Junior or community college	12,755	13,042	12,566	12,656	12,276	12,421	12,963	14,034	13,116	11,266
Secondary school	2,020	2,231	2,016	1,897	1,792	1,513	1,838	1,827	2,629	2,640
Hospital	3,851	3,876	3,372	2,947	2,371	2,403	2,577	2,780	2,409	1,271
Government agency	1,183	941	1,002	776	538	591	576	646	1,179	827
Senior college or university	501	441	694	728	772	640	413	484	393	284
Independent agency	289	271	293	260	242	137	146	101	239	180
North Atlantic	10,619	10,371	9,960	9,298	8,616	7,952	8,291	8,782	8,858	7,605
Technical or vocational school	7,117	6,805	6,569	6,277	5,887	5,530	5,812	6,092	5,857	5,182
Junior or community college	852	872	902	881	786	728	845	961	1,066	811
Secondary school	1,008	999	867	754	763	639	786	746	1,023	1,063
Hospital	1,446	1,552	1,312	1,009	804	783	783	800	736	474
Government agency	101	66	8	62	33	53	38	124	138	55
Senior college or university	48	51	242	271	295	179	0	29	0	0
Independent agency	47	26	60	44	48	40	27	30	38	20
Midwest	12,790	12,739	12,507	12,352	11,522	11,557	11,983	12,565	11,715	9,077
Technical or vocational college	7,248	7,013	7,238	7,021	6,778	6,703	6,888	6,980	6,569	4,884
Junior or community college	4,267	4,418	4,036	4,110	3,739	3,914	4,124	4,598	4,052	3,269
Secondary school	231	343	292	270	284	245	308	254	413	550
Hospital	742	654	648	670	504	561	511	578	423	130
Government agency	8	11	15	25	4	0	0	0	110	144
Senior college or university	127	121	103	89	83	93	112	111	97	56
Independent agency	167	179	175	167	130	41	40	44	51	44
South	16,678	16,578	16,212	15,789	15,629	15,486	16,497	17,083	16,978	14,322
Technical or vocational school	10,119	9,963	9,641	9,583	9,416	9,230	10,055	10,182	9,782	8,367
Junior or community college	3,653	3,679	3,804	3,727	4,055	4,135	4,089	4,319	4,251	3,912
Secondary school	619	712	615	632	517	501	540	624	791	664
Hospital	1,474	1,525	1,331	1,216	1,050	1,055	1,273	1,402	1,195	667
Government agency	662	542	613	412	359	402	370	353	684	628
Senior college or university	141	142	194	210	216	135	128	176	160	69
Independent agency	10	15	14	9	16	28	42	27	115	15
West	7,058	6,926	6,671	6,796	6,125	6,007	6,528	6,744	6,503	5,951
Technical or vocational school	2,062	2,031	1,959	2,090	1,820	1,834	2,031	2,048	1,881	2,054
Junior or community college	3,963	4,073	3,824	3,938	3,696	3,644	3,905	4,156	3,747	3,274
Secondary school	162	177	242	241	228	128	204	203	402	363
Hospital	189	145	81	52	13	4	10	0	55	0
Government agency	412	322	366	277	142	136	168	169	247	0
Senior college or university	185	127	155	158	178	233	173	168	136	159
Independent agency	65	51	44	40	48	28	37	0	35	101

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands

MEN AND MINORITY STUDENTS

Men and Minority Students (Tables PN-21 to PN-26)

- Survey questions concerning men and minority students were answered by 815 programs. This represents approximately two-thirds of the total population of LPN/LVN programs.

- In 1985, blacks constituted over 16 percent of students who were admitted to LPN/LVN programs. An additional 6 percent of annual admissions were men, and almost 4 percent were Hispanic. Asians and American Indians each accounted for about 1 percent of the admissions (Table PN-21).

- The West reported the largest proportions of male, Asian, and American Indian students admitted. The South reported the greatest number of blacks and Hispanics (Table PN-21).

- The proportion of blacks admitted to LPN/LVN programs has increased sinoe 1978 when NLN first began collecting such data. The proportion of Hispanic, Asian, American Indian and male LPN/LVN admissions remain relatively unchanged since 1984 (Table PN-22).

- The percentages of men and minority students enrolled in LPN/LVN programs follow the same pattern as the admissions figures. Blacks make up 17 percent of total enrollments; men, 5.6 percent; Hispanic students, 3.8 percent; Asians, 1.4 percent; and American Indians, 1.0 percent (Table PN-23).

- All regions reported decreases in the proportion of men enrolling in LPN/LVN programs (Table PN-24).

- The West reported the largest proportion of male, Hispanic, and Asian LPN/LVN graduates. The North Atlantic reported the largest percentage of black graduates and the Midwest claimed to most American Indian graduates (Table PN-25).

- The proportion of male graduates had increased steadily until 1984 and dropped to less than 5 percent of the total in 1985 (Table PN-26).

- The proportion of black, Hispanic, Asian and American Indian graduates has increased since 1984. (Table PN-26).

Table PN-21

ADMISSIONS OF MEN AND MINORITY STUDENTS TO LPN/LVN PROGRAMS, BY NLN REGIONS AND STATES: 1984-85[1,2]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL ADMISSIONS	NUMBER OF ADMISSIONS				
			Males	Blacks	Hispanic	Asian	American Indian
United States	**851**	**35,546**	**2,167**	**5,829**	**1,327**	**379**	**339**
North Atlantic	158	8,365	513	1,229	158	52	26
Midwest	199	8,650	517	978	75	67	34
South	368	14,406	757	3,162	682	75	194
West	126	4,125	380	460	412	185	85
Alabama	17	1,171	63	361	2	0	2
Alaska	—	—	—	—	—	—	—
Arizona	10	381	29	29	49	1	29
Arkansas	19	478	15	73	1	4	—
California	47	1,826	179	394	260	129	19
Colorado	12	424	27	14	32	1	3
Connecticut	9	349	15	19	5	—	1
Delaware	3	104	5	14	—	—	—
District of Columbia	2	116	8	111	3	—	1
Florida	26	1,928	133	454	71	25	1
Georgia	32	1,160	57	419	4	2	3
Hawaii	2	83	9	2	5	41	—
Idaho	6	137	5	1	4	—	2
Illinois	27	1,465	110	308	30	40	1
Indiana	14	980	41	63	6	1	—
Iowa	21	417	30	9	4	6	1
Kansas	12	392	20	42	4	1	2
Kentucky	15	787	41	60	—	1	—
Louisiana	26	1,288	98	452	24	11	3
Maine	4	158	7	1	—	—	2
Maryland	16	417	9	50	2	1	—
Massachusetts	17	714	37	29	14	2	5
Michigan	27	1,440	92	384	8	4	5
Minnesota	19	707	57	12	5	2	16
Mississippi	9	354	16	144	1	—	3
Missouri	30	965	26	42	4	5	1
Montana	4	165	16	—	1	—	5
Nebraska	7	294	19	—	6	1	1
Nevada	1	10	1	—	—	—	—
New Hampshire	4	42	2	1	—	—	—
New Jersey	14	687	45	129	19	9	—
New Mexico	7	218	17	4	40	—	4
New York	53	3,545	223	713	94	33	16
North Carolina	20	566	24	144	3	2	11
North Dakota	1	67	—	—	3	—	4
Ohio	33	1,592	104	118	5	7	1
Oklahoma	21	778	55	67	6	3	100
Oregon	8	102	12	—	1	—	1
Pennsylvania	48	2,446	156	208	19	3	1
Rhode Island	1	100	10	4	4	5	—
South Carolina	18	553	20	134	1	2	1
South Dakota	1	32	1	—	—	—	1
Tennessee	16	626	21	102	—	1	62
Texas	79	2,647	143	367	561	12	5
Utah	6	334	35	2	12	2	11
Vermont	3	104	5	—	—	—	—
Virginia	40	1,304	42	324	5	11	3
Washington	16	368	36	14	4	11	9
West Virginia	14	349	20	11	1	—	—
Wisconsin	7	299	17	—	—	—	1
Wyoming	7	77	14	—	4	—	2
American Samoa	—	—	—	—	—	—	—
Guam	—	—	—	—	—	—	—
Puerto Rico	—	544	—	—	—	—	—
Virgin Islands	—	—	—	—	—	—	—

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands

[2] Figures represent only those programs responding to this section of the questionnaire

Table PN-22

TRENDS IN ADMISSIONS OF MEN AND MINORITY STUDENTS IN LPN/LVN PROGRAMS, 1978 TO 1985[1]

YEAR	NUMBER OF PROGRAMS REPORTING	MEN		BLACKS		HISPANIC		ASIAN		AMERICAN INDIAN	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
ALL REGIONS											
1978	1,084	2,322	4.4	5,881	11.1	1.580	3.0	714	1.4	*	*
1981	1,081	2,749	6.1	6.252	14.6	1,683	4.9	731	2.2	*	*
1984	912	3.170	6.5	7,732	15.8	1,766	3.6	506	1.0	519	1.1
1985	851	2,167	6.1	5,829	16.4	1,327	3.7	379	1.1	339	1.0
NORTH ATLANTIC											
1978	195	403	3.7	861	7.8	176	1.6	47	0.4	*	*
1981	187	408	4.6	860	10.1	211	3.0	44	0.7	*	*
1984	166	518	4.8	1,691	15.7	236	2.2	44	0.4	46	0.4
1985	158	513	6.1	1,229	14.7	158	1.9	52	0.6	26	0.3
MIDWEST											
1978	230	374	2.7	1,143	8.4	105	0.8	134	1.0	*	*
1981	252	695	5.2	1,237	11.6	112	1.3	122	1.4	*	*
1984	205	790	6.5	1,621	13.4	163	1.3	113	0.9	170	1.4
1985	199	517	6.0	978	11.3	75	0.9	67	0.8	34	0.4
SOUTH											
1978	483	971	4.7	3,322	16.1	703	3.4	201	1.0	*	*
1981	468	995	5.9	3,401	18.5	654	4.8	195	1.5	*	*
1984	408	1,139	5.7	3,821	19.3	752	3.8	125	0.6	140	0.7
1985	368	757	5.3	3,162	21.9	682	4.7	75	0.5	194	1.3
WEST											
1978	178	574	7.8	555	7.5	596	8.1	332	4.5	*	*
1981	174	651	11.5	754	14.3	706	12.9	370	6.7	*	*
1984	133	723	11.5	599	9.5	615	9.8	224	3.6	163	2.6
1985	126	380	9.2	460	11.2	412	1.0	185	4.5	85	2.1

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

* "American Indian/Oriental" was one category before 1984.

Table PN-23

ENROLLMENTS OF MEN AND MINORITY STUDENTS IN LPN/LVN PROGRAMS, BY NLN REGION AND STATE: 1985[1,2]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL ENROLLMENTS	NUMBER OF ENROLLENTS				
			Males	Blacks	Hispanic	Asian	American Indian
United States	**851**	**29,866**	**1,664**	**5,055**	**1,126**	**409**	**290**
North Atlantic	158	7,370	423	1,101	145	62	24
Midwest	199	7,063	375	877	76	61	38
South	368	11,988	583	2,616	492	85	154
West	126	3,445	283	461	413	201	74
Alabama	17	833	47	334	1	2	1
Alaska	–	–	–	–	–	–	–
Arizona	10	171	7	16	38	–	12
Arkansas	19	392	11	56	2	1	–
California	47	1,828	135	416	321	143	27
Colorado	12	244	16	9	20	–	3
Connecticut	9	276	9	9	2	–	1
Delaware	3	63	5	6	–	1	–
District of Columbia	2	140	4	104	2	1	1
Florida	26	1,540	111	332	65	19	2
Georgia	32	890	37	233	15	–	7
Hawaii	2	69	8	2	5	39	–
Idaho	6	103	2	1	2	–	2
Illinois	27	1,107	55	224	24	25	–
Indiana	14	838	33	70	8	5	–
Iowa	21	333	40	12	5	5	15
Kansas	12	309	8	35	4	–	–
Kentucky	15	707	35	29	–	2	3
Louisiana	26	1,059	25	329	11	5	9
Maine	4	103	6	–	–	–	–
Maryland	16	418	10	103	2	13	–
Massachusetts	17	646	62	32	15	2	3
Michigan	27	1,304	80	375	15	3	9
Minnesota	19	612	26	13	7	4	12
Mississippi	9	251	10	125	1	–	2
Missouri	30	775	49	43	5	6	1
Montana	4	131	8	–	1	1	10
Nebraska	7	268	12	–	1	1	1
Nevada	1	8	1	–	–	–	–
New Hampshire	4	51	2	1	–	–	–
New Jersey	14	547	22	94	13	6	–
New Mexico	7	139	5	1	6	1	–
New York	53	3,299	175	684	89	50	18
North Carolina	20	444	24	120	1	2	6
North Dakota	1	25	–	–	–	–	–
Ohio	33	1,335	65	105	7	12	–
Oklahoma	21	608	35	45	4	3	72
Oregon	8	76	6	1	–	1	–
Pennsylvania	48	2,054	126	164	24	1	1
Rhode Island	1	98	10	7	–	1	–
South Carolina	18	518	16	101	3	22	1
South Dakota	1	16	–	–	–	–	–
Tennessee	16	612	24	66	–	–	40
Texas	79	2,088	138	354	375	5	11
Utah	6	287	29	1	12	1	11
Vermont	3	93	2	–	–	–	–
Virginia	40	1,350	46	383	10	11	–
Washington	16	326	46	14	6	14	8
West Virginia	14	278	14	6	2	–	–
Wisconsin	7	141	7	–	–	–	–
Wyoming	7	63	20	–	2	1	1
American Samoa	–	–	–	–	–	–	–
Guam	–	–	–	–	–	–	–
Puerto Rico	–	468	–	–	–	–	–
Virgin Islands	–	–	–	–	–	–	–

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Figures represent only those programs responding to this section of the questionnaire.

Table PN-24
TRENDS IN ENROLLMENTS OF MEN AND MINORITY STUDENTS IN LPN/LVN PROGRAMS, 1978 TO 1985[1]

YEAR	NUMBER OF PROGRAMS REPORTING	MEN		BLACKS		HISPANIC		ASIAN		AMERICAN INDIAN	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
ALL REGIONS											
1978	1,084	1,864	3.9	5,141	10.7	1,494	3.1	608	1.3	*	*
1981	903	2,385	5.8	5,588	14.0	1,584	4.9	642	2.1	*	*
1984	912	2,618	6.6	6,045	15.2	1,547	3.9	525	1.3	414	1.0
1985	851	1,664	5.6	5,055	16.9	1,126	3.8	409	1.4	290	1.0
NORTH ATLANTIC											
1978	195	350	3.1	999	8.9	248	2.2	33	0.3	*	*
1981	159	433	4.9	1,037	11.7	260	3.5	48	0.7	*	*
1984	166	631	6.6	1,545	16.1	210	2.2	51	0.5	28	0.3
1985	158	423	5.7	1,101	14.9	145	2.0	62	0.8	24	0.3
MIDWEST											
1978	230	277	2.3	906	7.5	94	0.8	106	0.9	*	*
1981	218	598	5.0	1,255	12.7	108	1.3	99	1.2	*	*
1984	205	569	6.1	1,203	12.8	120	1.3	94	1.0	114	1.2
1985	199	375	5.3	877	12.4	76	1.1	61	0.9	38	0.5
SOUTH											
1978	483	792	4.4	2,836	15.8	676	3.8	163	0.9	*	*
1981	382	730	4.7	2,691	16.8	558	4.8	168	1.5	*	*
1984	408	846	5.5	2,801	18.4	601	3.9	103	0.7	99	0.6
1985	368	583	4.9	2,616	21.8	492	4.1	85	0.7	154	1.3
WEST											
1978	176	445	6.5	400	5.8	476	6.9	306	4.5	*	*
1981	150	624	11.4	605	12.0	658	12.4	327	6.3	*	*
1984	133	572	10.5	496	9.1	616	11.3	277	5.1	173	3.2
1985	126	283	8.2	461	13.4	413	12.0	201	5.8	74	2.1

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

* "American Indian/Oriental" was one category before 1984.

Table PN-25

GRADUATIONS OF MEN AND MINORITY STUDENTS FROM LPN/LVN PROGRAMS, BY NLN REGION AND STATE: 1984-85[1,2]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL RN GRADUATIONS	NUMBER OF GRADUATIONS				
			Males	Blacks	Hispanic	Asian	American Indian
United States	**851**	**28,613**	**1,372**	**3,904**	**876**	**418**	**859**
North Atlantic	158	6,316	250	1,048	110	147	22
Midwest	199	7,564	312	645	59	40	618
South	368	10,714	503	1,674	400	73	167
West	126	4,019	307	537	307	158	52
Alabama	17	855	61	189	4	–	–
Alaska	–	–	–	–	–	–	–
Arizona	10	306	22	13	32	–	10
Arkansas	19	495	15	47	1	1	1
California	47	1,585	119	501	179	110	14
Colorado	12	342	22	7	23	2	1
Connecticut	9	286	6	6	6	1	–
Delaware	3	63	–	8	2	–	–
District of Columbia	2	45	4	38	–	1	1
Florida	26	1,596	102	299	62	15	8
Georgia	32	746	11	183	5	2	3
Hawaii	2	59	3	–	3	31	–
Idaho	6	101	3	–	1	–	2
Illinois	27	1,247	58	199	23	15	1
Indiana	14	794	27	58	6	4	–
Iowa	21	393	19	4	2	2	600
Kansas	12	399	19	39	3	4	–
Kentucky	15	608	21	24	–	–	–
Louisiana	26	699	20	149	3	4	35
Maine	4	126	6	1	–	–	–
Maryland	16	298	8	27	–	2	1
Massachusetts	17	540	25	20	8	2	3
Michigan	27	1,068	52	237	9	2	4
Minnesota	19	580	39	3	4	2	2
Mississippi	9	326	11	83	9	–	–
Missouri	30	849	22	22	4	4	–
Montana	4	105	8	–	1	–	5
Nebraska	7	321	7	–	2	–	8
Nevada	1	9	1	–	–	–	–
New Hampshire	4	98	1	–	–	–	–
New Jersey	14	490	12	55	14	8	1
New Mexico	7	265	21	2	44	1	–
New York	53	2,308	99	750	64	29	12
North Carolina	20	407	33	66	7	1	5
North Dakota	1	72	1	–	–	–	2
Ohio	33	1,512	60	83	6	7	1
Oklahoma	21	570	10	27	4	6	59
Oregon	8	253	24	1	4	3	2
Pennsylvania	48	2,175	83	168	13	102	5
Rhode Island	1	78	8	2	3	4	–
South Carolina	18	386	8	56	17	4	7
South Dakota	1	31	1	–	–	–	–
Tennessee	16	537	17	72	–	–	43
Texas	79	2,062	152	267	281	26	3
Utah	6	248	23	2	11	3	7
Vermont	3	107	6	–	–	–	–
Virginia	40	873	19	178	6	12	2
Washington	16	661	38	11	8	7	10
West Virginia	14	256	15	7	1	–	–
Wisconsin	7	298	7	–	–	–	–
Wyoming	7	85	23	–	1	1	1
American Samoa	–	–	–	–	–	–	–
Guam	–	–	–	–	–	–	–
Puerto Rico	–	435	–	–	–	–	–
Virgin Islands	–	–	–	–	–	–	–

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands

[2] Figures represent only those programs responding to this section of the questionnaire

Table PN-26

TRENDS IN GRADUATIONS OF MEN AND MINORITY STUDENTS IN LPN/LVN PROGRAMS, 1978 TO 1985[1]

YEAR	NUMBER OF PROGRAMS REPORTING	MEN		BLACKS		HISPANIC		ASIAN		AMERICAN INDIAN	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
ALL REGIONS											
1978	1,084	1,389	3.5	3,515	9.0	986	2.5	383	1.0	*	*
1981	887	1,386	4.6	3,565	12.4	1,110	4.7	437	1.9	*	*
1984	912	1,894	5.2	4,178	11.5	1,000	2.8	312	0.9	305	0.8
1985	851	1,372	4.9	3,904	13.6	876	3.1	418	1.5	859	3.0
NORTH ATLANTIC											
1978	195	247	2.9	563	6.6	100	1.2	37	0.4	*	*
1981	154	222	3.7	583	10.4	113	2.4	34	0.8	*	*
1984	166	331	4.4	945	12.5	85	1.1	18	0.2	18	0.2
1985	158	250	4.0	1,048	16.6	110	1.7	147	2.3	22	0.3
MIDWEST											
1978	230	183	1.7	671	6.1	71	0.6	75	0.7	*	*
1981	211	327	3.5	795	10.1	83	1.4	83	1.4	*	*
1984	205	474	5.0	875	9.3	84	0.9	36	0.4	83	0.9
1985	199	312	4.1	645	8.5	59	0.8	40	0.5	618	8.2
SOUTH											
1978	483	632	4.5	2,047	14.4	489	3.5	104	0.7	*	*
1981	373	380	4.7	1,811	15.8	436	5.3	104	1.3	*	*
1984	408	627	4.4	2,043	14.3	437	3.1	56	0.4	115	0.8
1985	368	503	4.7	1,674	15.6	400	3.7	73	0.7	167	1.6
WEST											
1978	176	327	6.0	234	4.3	326	6.0	167	3.0	*	*
1981	155	357	7.7	376	9.5	478	11.0	216	5.0	*	*
1984	133	462	9.2	315	6.3	394	7.9	202	4.0	89	1.8
1985	128	307	7.8	537	13.4	307	7.6	158	3.9	52	1.3

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands

* "American Indian/Oriental" was one category before 1984

TUITION AND FEES

Tuition and Fees (Table PN-27)

- Of the total of 1,165 LPN/LVN programs, 888 reported data on tuition and fees—approximately 76 percent of the total. Of those programs reporting this data, 43 percent come from the South, 23 percent from the Midwest, 18 percent from the North Atlantic, and 16 percent from the West.

- The average annual tuition for publicly funded LPN/LVN programs was $1,701. Privately funded programs reported a higher average tuition of $3,292.

- The average tuitions for publicly funded programs were lowest in the South, followed by the Western, North Atlantic, and Midwestern regions. The tuitions in privately funded programs were highest in the West, followed by the North Atlantic, Southern, and Midwestern regions.

Table PN-27

MEAN[1] ANNUAL TUITIONS OF FULL-TIME STUDENTS IN PUBLIC OR PRIVATE LPN/LVN PROGRAMS, BY NLN REGION AND STATE: 1986-87[2]

NLN REGION AND STATE	NUMBER OF PROGRAMS		ANNUAL TUITION	
	Public	Private	Public[3]	Private
United States	**820**	**68**	**$1,701**	**$3,292**
North Atlantic	132	27	2,351	3,864
Midwest	200	9	2,361	2,025
South	357	24	1,071	2,383
West	131	8	1,752	5,514
Alabama	18	1	592	180
Alaska	—	—	—	—
Arizona	9	—	1,416	—
Arkansas	23	1	338	225
California	50	8	807	5,514
Colorado	12	—	1,555	—
Connecticut	6	—	—	—
Delaware	3	—	665	—
District of Columbia	1	1	—	—
Florida	27	2	1,388	685
Georgia	26	1	409	360
Hawaii	2	—	265	—
Idaho	6	—	8,252	—
Illinois	25	—	4,394	—
Indiana	14	1	1,995	2,250
Iowa	23	—	2,060	—
Kansas	13	—	725	—
Kentucky	14	1	4,010	4,960
Louisiana	25	—	47	—
Maine	4	—	1,013	—
Maryland	10	1	5,338	1,500
Massachusetts	14	2	1,001	2,550
Michigan	25	1	1,413	3,500
Minnesota	22	1	1,838	600
Mississippi	10	—	612	—
Missouri	30	2	4,502	2,100
Montana	4	—	839	—
Nebraska	8	—	758	—
Nevada	2	—	848	—
New Hampshire	3	1	5,755	1,650
New Jersey	14	4	1,154	1,937
New Mexico	8	—	1,605	—
New York	44	10	3,539	6,741
North Carolina	20	—	208	—
North Dakota	1	—	1,287	—
Ohio	33	4	1,655	1,919
Oklahoma	21	1	585	5,035
Oregon	8	—	629	—
Pennsylvania	39	9	2,436	2,491
Rhode Island	1	—	920	—
South Carolina	17	1	343	200
South Dakota	1	—	1,100	—
Tennessee	13	1	703	2,400
Texas	76	6	1,230	513
Utah	6	—	977	—
Vermont	3	—	1,750	—
Virginia	39	2	1,693	2,150
Washington	18	—	4,211	—
West Virginia	16	—	503	—
Wisconsin	5	—	751	—
Wyoming	6	—	517	—
American Samoa	—	—	—	—
Guam	—	—	—	—
Puerto Rico	2	6	—	5,327
Virgin Islands	—	—	—	—

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[1] The mean is the sum of the observations divided by the number of observations. These reported means of tuitions may be slightly higher than the medians reported in past years.

[2] National and regional tables include American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[3] For publicly supported programs, data on tuitions exclude students who are non-residents of the state and/or county where the school is located.

PN Faculty

SUMMARY AND RESULTS OF LPN/LVN FACULTY CENSUS

The faculty census questionnaire is sent to all practical and vocational nursing programs every two years. In 1986 the same questionnaire was sent as was used for the registered nurse faculty census.

Population

In January 1986, the LPN/LVN faculty census was mailed to 1,245 programs, a decrease of 6 percent from 1984. Of these, 757 responded, for a 60.8 percent response rate. This response rate was much lower than in previous years and needs to be considered in evaluating the comparative data.

Number of Faculty

The percentage decrease in the number of faculty exceeded the 6 percent decrease in the number of programs. An estimate of the total population of faculty showed a decrease of 16.5 percent among full-time faculty and 8 percent among part-time faculty. The estimated number of unfilled budgeted positions decreased by 42.2 percent.

Credentials of Faculty and Administrators

There has been a continued increase in the percentage of administrators and faculty with graduate degrees (61.7 percent and 29.9 percent, respectively). Only 9 percent of administrators and 20 percent of full-time faculty do not have a minimum of a baccalaureate degree as their highest credential. Twenty-nine percent of part-time faculty do not have at least a baccalaureate degree, while nearly 20 percent of part-time faculty have a graduate degree.

Characteristics of Faculty and Administrators

Nurses of black ethnic background are the largest minority group in LPN/LVN programs. Overall, they make up 6.1 percent of the administrators, 7.8 percent of the full-time faculty, and 5.1 percent of the part-time faculty. In the Southern region the percentages tend to be higher, with 9.9 percent of the administrators, 9.1 percent of full-time faculty, and 8.4 percent of the part-time faculty reported as being from a black (non-Hispanic) ethnic background.

As a whole, minority groups represent 9.5 percent of the administrators, 12.3 percent of the full-time faculty, and 9 percent of the part-time faculty. In the Southern region, 16 percent of the full-time faculty and 15.1 percent of the part-time faculty are from minority groups.

Men make up only 1.7 percent of full-time and 7.4 percent of part-time LPN/LVN faculty.

Faculty Workload

The average workload of an LPN/LVN faculty member is 42 hours per week. The largest proportion of time is spent on clinical teaching (a mean of 18 hours), followed by classroom teaching (a mean of 10 hours). The average faculty member has 25 students in the classroom, 12 students in the clinical area, and 8 students for advisement.

Faculty and Administrator Salaries

There is considerable variation in the salaries of LPN/LVN administrators and faculty. There are no consistent patterns by institutional support, by region, or by academic credential. LPN/LVN programs tend to be located in a variety of institutional settings such as community and junior colleges, vocational schools, hospitals, and secondary schools. The variations in salary probably reflect the differences in salary scales among and within these institutions, combined with longevity of faculty and local competitive forces such as RN salaries.

Summary

The data collected in the 1986 LPN/LVN faculty survey shows evidence of decreases in the number of programs and faculty. Faculty workload seems to have increased since 1984, and the academic credentials of the faculty are higher. With the many changes affecting LPN/LVN programs, faculty seem to be in a state of flux.

NUMBER OF FACULTY AND UNFILLED POSITIONS

Number of Nurse Faculty, 1968-1986 (Table PNF-1)

- The PN faculty census is conducted every two years as part of the NLN faculty census.
- In 1986 there was a 6 percent decrease in the total number of state-approved LPN/LVN programs. After rapid growth in the number of programs from 1964 to 1970, the change leveled off, with increases and decreases remaining within 3 percent from 1972-84. The 6 percent decrease in the 1984-86 biennium was the greatest decrease in 20 years.
- In 1986, the percentage of programs responding to the questionnaire (60.8%) was the lowest ever.
- Estimates of total numbers of faculty were based on an extrapolation of the data to a 100 percent return rate. This extrapolation was based on the assumption that the nonrespondents, in general, have the same proportion of full-time and part-time faculty and unfilled positions as do the responding programs.
- The estimated total number of faculty is a full-time equivalent (FTE), which is obtained by adding one-half the estimated number of part-time faculty to the estimated number of full-time faculty.
- In 1986, the estimated total number of faculty decreased by 15.3 percent. The estimated total number of full-time faculty decreased by 16.5 percent, part-time faculty decreased by 8 percent, and the number of unfilled positions decreased by 42.2 percent.
- There was an average of 4.2 faculty members per program in 1986, a 15.3 percent decrease from the 1984 data.

Table PNF-1
NUMBER OF FULL-TIME AND PART-TIME NURSE FACULTY IN LPN/LVN PROGRAMS: 1968 TO 1986

YEAR [2]	REPORTING SCHOOLS [1]					TOTAL SCHOOLS (ESTIMATED)				
	Number of Programs Reporting	Percentage of Total Schools	Full-Time Faculty	Part-Time Faculty	Unfilled Budgeted Positions	Total Number of Schools	Total Nurse Faculty	Full-Time Faculty	Part-Time Faculty	Unfilled Budgeted Positions
1968										
Number	948	82.5	3,257	765	159	1,149	4,403	3,940	926	199
Percentage change	+30.6	+6.6	+27.9	+25.2	+62.2	+20.1	+17.1	+17.4	+14.9	+53.1
1970										
Number	1,194	95.4	3,844	757	159	1,252	4,428	4,031	794	167
Percentage change	+25.9	+12.9	+18.0	-1.0	+0.0	+9.0	+0.6	+2.3	-14.2	-16.1
1972										
Number	1,201	93.0	4,271	990	139	1,291	5,123	4,591	1,064	150
Percentage change	+0.6	-2.4	+11.1	+30.8	-12.6	+3.1	+15.7	+13.9	+34.0	-10.2
1974										
Number	1,277	97.8	4,656	1,167	142	1,306	5,359	4,762	1,193	145
Percentage change	+6.3	+4.8	+9.0	+17.9	+2.2	+1.2	+4.6	+3.7	+12.1	-3.3
1976										
Number	1,204	95.0	4,793	1,100	117	1,267	5,624	5,045	1,158	123
Percentage change	-5.6	-2.8	+2.9	-5.7	-17.6	-3.0	+4.9	+5.9	-2.9	-15.2
1978										
Number	1,140	90.0	4,524	1,149	89	1,266	5,662	5,024	1,276	99
Percentage change	-8.3	-5.0	-5.6	+4.4	-23.9	-0.1	+0.7	-0.4	+10.2	-19.5
1980										
Number	1,116	88.9	4,227	1,238	92	1,255	5,449	4,753	1,392	103
Percentage change	-2.1	-1.1	-6.6	+7.7	+3.4	-0.9	-3.8	-5.4	+9.1	+4.0
1982										
Number	1,045	81.0	4,161	1,303	111	1,290	5,941	5,137	1,608	137
Percentage change	-6.4	-7.9	-1.6	+5.3	+20.7	+2.8	+9.0	+8.1	+15.5	+33.0
1984										
Number	1,075	81.4	4,333	1,494	83	1,325	6,239	5,321	1,835	102
Percentage change	+2.9	+0.4	+4.1	+14.7	-25.2	+2.7	+5.0	+3.6	+14.1	-25.5
1986										
Number	757	60.8	2,700	1,030	36	1,245	5,288	4,441	1,694	59
Percentage change	-29.6	-20.6	-37.7	-31.3	-56.6	-6.0	-15.3	-16.5	-8.0	-42.2

[1] Directors of schools not included in table. Includes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] As of January of each year.

Full-Time and Part-Time Faculty by State (Table PNF-2)

- Of all the states, Texas, New York, and California have the most LPN/LVN programs and the most full-time LPN/LVN faculty.

- The states or territories with the highest average (mean) number of full-time faculty per program are Delaware, Illinois, Nebraska, Oregon, Rhode Island, South Carolina, and Puerto Rico.

- The states with the highest average (mean) number of part-time faculty per program are Delaware and Michigan.

- The states with the lowest ratio of full-time faculty to part-time faculty are Arizona, South Dakota, California, and New Jersey.

- The programs in 36 states and territories reported that they had no unfilled budgeted positions. New York had the greatest number of unfilled budgeted positions.

Table PNF-2

FULL-TIME AND PART-TIME NURSE FACULTY AND UNFILLED BUDGETED POSITIONS IN LPN/LVN PROGRAMS, BY STATE

STATE	TOTAL NUMBER OF PROGRAMS	NUMBER OF PROGRAMS RESPONDING	NURSE FACULTY		
			Full-Time	Part-Time	Unfilled Budgeted Positions
Alabama	23	11	41	12	0
Alaska	0	0	0	0	0
Arizona	12	10	33	30	0
Arkansas	29	16	20	10	0
California	86	53	201	155	3
Colorado	14	8	19	9	0
Connecticut	10	7	32	5	0
Delaware	3	3	17	6	1
District of Columbia	3	0	–	–	–
Florida	35	24	139	31	0
Georgia	44	20	52	5	0
Hawaii	4	3	14	2	0
Idaho	8	2	3	0	0
Illinois	41	27	150	44	0
Indiana	19	17	58	31	2
Iowa	27	14	41	30	2
Kansas	17	11	49	11	1
Kentucky	17	9	37	8	0
Louisiana	37	17	70	2	2
Maine	5	3	15	1	0
Maryland	18	11	27	8	1
Massachusetts	23	15	64	18	0
Michigan	33	24	115	80	0
Minnesota	27	20	46	28	0
Mississippi	12	2	8	0	0
Missouri	35	25	71	21	1
Montana	5	2	6	0	0
Nebraska	8	8	47	13	0
Nevada	4	1	1	0	0
New Hampshire	5	5	16	10	1
New Jersey	31	12	46	36	1
New Mexico	9	7	31	2	2
New York	92	48	200	128	5
North Carolina	26	19	44	13	1
North Dakota	7	5	11	3	0
Ohio	43	30	94	47	4
Oklahoma	27	16	35	6	0
Oregon	12	11	69	15	0
Pennsylvania	56	49	177	68	2
Rhode Island	1	1	9	1	0
South Carolina	34	2	49	14	0
South Dakota	3	1	1	2	0
Tennessee	25	16	53	4	2
Texas	121	71	196	24	1
Utah	6	5	28	13	0
Vermont	3	3	12	5	0
Virginia	57	29	82	9	0
Washington	25	17	67	49	3
West Virginia	19	12	30	5	1
Wisconsin	11	5	15	6	0
Wyoming	7	6	18	6	0
American Samoa	1	1	4	0	0
Guam	0	0	0	0	0
Puerto Rico	24	4	37	3	0
Virgin Islands	1	0	0	0	0
Total	1 245	757	2 700	1 027	36

Non-Nurse Faculty (Table PNF-3)

- Non-nurse faculty make up 4.1 percent of all full-time faculty and 13.8 percent of all part-time faculty in LPN/LVN programs.
- The Western region has the greatest percentage of full-time non-nurse faculty (6.7%), and the Southern region has the largest percentage (21.8%) of part-time non-nurse faculty.
- The Southern region has the lowest percent of full-time non-nurse faculty (2.8%) and the Western region has the lowest percent of part-time non-nurse faculty (9.3%).

Table PNF-3
PERCENT OF NURSE AND NON-NURSE FACULTY IN LPN/LVN PROGRAMS, BY NLN REGION

NLN REGION [1]	FULL-TIME FACULTY						PART-TIME FACULTY					
	Total		Nurse		Non-Nurse		Total		Nurse		Non-Nurse	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Regions	**2,816**	**100.0**	**2,700**	**95.9**	**116**	**4.1**	**1,182**	**100.0**	**1,029**	**87.1**	**153**	**13.8**
North Atlantic	605	100.0	586	96.9	19	3.1	305	100.0	275	90.2	30	9.8
Midwestern	732	100.0	697	95.2	35	4.8	367	100.0	316	86.1	51	13.9
Southern	940	100.0	914	97.2	26	2.8	197	100.0	154	78.2	43	21.8
Western	539	100.0	503	93.3	36	6.7	313	100.0	284	90.7	29	9.3

[1] Includes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Unfilled Faculty Positions (Table PNF-4)

- When broken down by content area or nursing specialization, 36 percent of all unfilled positions in LPN/LVN programs are in medical-surgical nursing, and 25 percent of open positions are for faculty teaching as generalists.
- The number of unfilled full-time positions (36) was fairly evenly divided among the regions.
- The number of unfilled full-time positions decreased compared to 1984. While the percentage of unfilled medical-surgical positions decreased by 12 percent it still accounts for the largest percentage of unfilled positions. The percentage of unfilled generalist positions increased over the 1984 data.

Table PNF-4
PERCENT OF UNFILLED FULL-TIME NURSE FACULTY POSITIONS IN LPN/LVN PROGRAMS BY CLINICAL CONTENT AREA AND NLN REGION

NLN REGION[1]	TOTAL UNFILLED BUDGETED POSITIONS		CONTENT AREA OR NURSING SPECIALIZATION (PERCENT)							
	Number	Percent	Medical-Surgical	Maternal-Child	Psychiatric-Mental Health	Community Health	Geriatric-Aging	Primary Care	Generalist	Other
All Regions	**36**	**100.0**	**36.1**	**13.9**	**2.8**	**0.0**	**5.6**	**0.0**	**25.0**	**16.7**
North Atlantic	10	100.0	30.0	40.0	0.0	0.0	10.0	0.0	10.0	10.0
Midwestern	9	100.0	22.2	11.1	0.0	0.0	11.1	0.0	22.2	33.3
Southern	8	100.0	25.0	0.0	0.0	0.0	0.0	0.0	50.0	25.0
Western	9	100.0	66.7	0.0	11.1	0.0	0.0	0.0	22.2	0.0

[1] Includes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

HIGHEST EARNED CREDENTIALS

Credentials of Administrators (Table PNF-5)

- The percentage of administrators in LPN/LVN programs with graduate degrees continues to increase, reaching 61.7 percent in 1986. This total includes 5.4 percent with a doctoral degree and 56.3 percent with a master's degree.

- There has been a gradual decrease in the percentage of administrators with the baccalaureate as their highest credential, from a high of 52.8 percent in 1980 to 29.4 percent in 1986.

- The percentage of administrators without at least a baccalaureate degree has decreased to 8.9 percent.

- For the first time in 1986, information was obtained about the educational preparation of associate and assistant administrators. A total of 186 assistant administrators were reported, about one-quarter the number of chief administrators. A few programs reported more than one assistant administrator. The educational preparation of the assistant administrators was as follows:

Doctorate	2.2%
Master's	30.6%
Baccalaureate	57.0%
Other	10.2%

Table PNF-5
HIGHEST EARNED CREDENTIAL OF ADMINISTRATORS IN LPN/LVN PROGRAMS: 1968 TO 1986

YEAR [1]	TOTAL ADMINISTRATORS REPORTED [2]		HIGHEST EARNED CREDENTIAL							
			Doctorate		Master's		Baccalaureate		Other	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1968[3]	879	100.0	2	0.2	261	29.7	424	48.2	192	21.9
1970[3]	972	100.0	3	0.3	317	32.6	445	45.8	207	21.3
1972[3]	1,097	100.0	6	0.5	345	31.5	478	43.6	268	24.4
1974[3]	1,085	100.0	12	1.1	387	35.7	459	42.3	227	20.9
1976[3]	1,101	100.0	20	1.8	442	40.2	422	38.3	217	19.7
1978[3]	1,073	100.0	21	2.0	459	42.8	420	39.1	173	16.1
1980[3]	1,041	100.0	16	1.5	467	44.9	414	39.8	144	13.8
1982	991	100.0	32	3.2	491	49.6	350	35.3	118	11.9
1984	962	100.0	38	4.0	506	52.6	304	31.6	114	11.9
1986	734	100.0	40	5.4	413	56.3	216	29.4	65	8.9

[1] As of January of each year

[2] Includes American Samoa, Guam, Puerto Rico, and the Virgin Islands

[3] Data corrected since previous publication

Credentials of Full-Time Faculty (Table PNF-6)

- There has been a continued increase in the percentage of full-time faculty in LPN/LVN schools with a graduate degree as their highest credential, reaching 30 percent in 1986.
- The percentage of faculty with the baccalaureate as their highest degree remains constant at about 50 percent.
- The percentage of faculty with a diploma as their highest earned credential is steadily decreasing. They now total about 15 percent of all LPN/LVN faculty.
- The number of faculty with associate degree preparation remains relatively unchanged at about 5 percent of the total LPN/LVN faculty sample.

Table PNF-6

HIGHEST EARNED CREDENTIAL OF FULL-TIME NURSE FACULTY OF LPN/LVN PROGRAMS: 1968-1986

YEAR[1]	TOTAL FULL-TIME FACULTY REPORTED[2]		HIGHEST EARNED CREDENTIAL									
			Doctorate		Master's		Baccalaureate		Associate Degree		Diploma	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1968	3,257	100.0	0	0.0	294	9.0	1,385	42.5	52	1.6	1,526	46.9
1970	3,844	100.0	0	0.0	250	6.5	1,622	42.2	108	2.8	1,864	48.5
1972	4,271	100.0	3	0.1	332	7.8	1,794	42.0	139	3.2	2,003	46.9
1974	4,656	100.0	3	0.1	439	9.4	2,029	43.6	259	5.5	1,926	41.4
1976	4,793	100.0	5	0.1	559	11.7	2,174	45.4	246	5.1	1,809	37.7
1978	4,524	100.0	2	0.0	764	16.9	2,175	48.1	237	5.2	1,346	29.8
1980	4,227	100.0	5	0.1	763	18.1	2,096	49.6	250	5.9	1,113	26.3
1982	4,161	100.0	10	0.3	870	20.9	2,131	51.2	255	6.1	895	21.5
1984	4,250	100.0	21	0.5	1,033	24.3	2,164	50.9	235	5.5	796	18.7
1986[3]	2,690	100.0	11	0.4	793	29.5	1,355	50.4	120	4.5	411	15.3

[1] As of January of each year

[2] Includes American Samoa, Guam, Puerto Rico, and the Virgin Islands

[3] Excludes 50 faculty members listed as holding other credentials

Credentials of Part-Time Faculty (Table PNF-7)

- Since 1966, there has been a continued increase in the number of part-time faculty in LPN/LVN programs with a master's degree, from 9 percent to over 19 percent. The percentage of part-time faculty with doctoral degrees remains less than 1 percent.
- The percentage of part-time faculty with an associate degree as highest earned credential remains stable at about 8.5 percent.
- There has been a steady decrease in the percentage of part-time faculty with the diploma as their highest credential, from 59 percent in 1970 to 20 percent in 1986.

Table PNF-7

HIGHEST EARNED CREDENTIAL OF PART-TIME NURSE FACULTY OF LPN/LVN PROGRAMS: 1968-1986

YEAR[1]	TOTAL PART-TIME FACULTY REPORTED[2]		HIGHEST EARNED CREDENTIAL									
			Doctorate		Master's		Baccalaureate		Associate Degree		Diploma	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1968	765	100.0	1	0.1	71	9.3	310	40.5	17	2.2	366	47.9
1970	757	100.0	2	0.3	44	5.8	296	39.1	20	2.6	395	59.2
1972	990	100.0	6	0.6	74	7.5	392	39.6	26	2.6	492	49.7
1974	1,167	100.0	3	0.3	99	8.5	467	40.0	49	4.2	549	47.0
1976	1,100	100.0	1	0.1	108	9.8	478	43.5	54	4.9	459	41.7
1978	1,149	100.0	3	0.3	145	12.6	540	47.0	63	5.5	398	34.6
1980	1,238	100.0	0	0.0	127	10.3	642	52.8	89	7.2	380	30.7
1982	1,303	100.0	5	0.4	141	10.8	710	54.5	111	8.5	336	25.8
1984	1,471	100.0	4	0.3	257	17.5	760	51.7	130	8.8	321	21.8
1986	1,030	100.0	7	0.7	200	19.4	528	51.3	87	8.4	208	20.2

[1] As of January of each year

[2] Includes American Samoa, Guam, Puerto Rico and the Virgin Islands

Credentials of Full-Time Faculty by NLN Region (Table PNF-8)

- The West has the highest percentage of full-time LPN/LVN faculty with graduate degrees (51.6%).
- The South has the lowest percentage of faculty prepared at the graduate level—17.1 percent.
- For the North Atlantic and the Midwest, the percentages of faculty with graduate education were 31.2 percent and 30 percent, respectively.
- The Southern region has the highest percentage of faculty who do not have at least a baccalaureate degree (32.3%).
- The West has the smallest percentage of faculty not prepared at least at the baccalaureate level (6.8%).

Table PNF-8

HIGHEST EARNED CREDENTIAL OF FULL-TIME NURSE FACULTY OF LPN/LVN PROGRAMS, BY NLN REGION: 1972-1986

YEAR[1] BY NLN REGION	TOTAL FULL-TIME FACULTY[2] REPORTED		HIGHEST EARNED CREDENTIAL									
			Doctorate		Master's		Baccalaureate		Associate Degree		Diploma	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
North Atlantic												
1972	1,090	100.0	1	0.1	134	12.3	591	54.2	28	2.6	336	30.8
1974	1,126	100.0	1	0.1	164	14.6	617	54.8	40	3.5	304	27.0
1976	1,107	100.0	2	0.2	170	15.3	622	56.2	33	3.0	280	25.3
1978	908	100.0	1	0.1	158	17.4	528	58.2	50	5.5	171	18.8
1980	847	100.0	1	0.1	179	21.2	493	58.2	29	3.4	145	17.1
1982	781	100.0	1	0.1	184	23.6	467	59.8	17	2.2	112	14.3
1984	811	100.0	5	0.6	204	25.2	476	58.7	24	3.0	102	12.6
1986	606	100.0	1	0.2	188	31.0	340	56.1	17	2.8	60	9.9
Midwestern												
1972	1,182	100.0	0	0.0	62	5.2	487	41.2	20	1.7	613	51.9
1974	1,197	100.0	1	0.1	83	6.9	513	42.8	39	3.3	561	46.9
1976	1,263	100.0	1	0.1	108	8.5	588	46.6	33	2.6	533	42.2
1978	1,186	100.0	1	0.1	151	12.7	599	50.5	40	3.4	395	33.3
1980	1,172	100.0	1	0.1	172	14.7	656	56.0	47	4.0	296	25.2
1982	1,133	100.0	2	0.2	199	17.6	638	56.3	48	4.2	246	21.7
1984	1,169	100.0	5	0.4	288	24.6	630	53.9	35	3.0	211	18.0
1986	710	100.0	3	0.4	210	29.6	364	51.3	19	2.7	114	16.1
Southern												
1972	1,410	100.0	1	0.1	48	3.4	405	28.7	64	4.5	892	63.3
1974	1,610	100.0	1	0.1	49	3.0	514	31.9	109	6.8	937	58.2
1976	1,677	100.0	2	0.1	91	5.4	571	34.0	135	8.1	878	52.4
1978	1,615	100.0	0	0.0	154	9.5	659	40.8	111	6.9	691	42.8
1980	1,566	100.0	1	0.1	182	11.6	634	40.5	142	9.1	607	38.7
1982	1,619	100.0	1	0.1	229	14.1	741	45.8	164	10.1	484	29.9
1984	1,658	100.0	9	0.5	274	16.5	788	47.5	158	9.5	428	25.8
1986	892	100.0	1	0.1	152	17.0	451	50.6	73	8.2	215	24.1
Western												
1972	589	100.0	1	0.2	88	14.9	311	52.8	27	4.6	162	27.5
1974	715	100.0	0	0.0	136	19.0	384	53.7	71	9.9	124	17.4
1976	746	100.0	0	0.0	190	25.5	393	52.7	45	6.0	118	15.8
1978	815	100.0	0	0.0	301	36.9	389	47.8	36	4.4	89	10.9
1980	642	100.0	2	0.3	230	35.8	313	48.8	32	5.0	65	10.1
1982	628	100.0	6	1.0	258	41.1	285	45.4	26	4.1	53	8.4
1984	612	100.0	2	0.3	267	43.6	270	44.1	18	2.9	55	9.0
1986	482	100.0	6	1.2	243	50.4	200	41.5	11	2.2	22	4.6

[1] As of January of each year

[2] Includes American Samoa, Guam, Puerto Rico, and the Virgin Islands

Credentials of Part-Time Faculty by NLN Region (Table PNF-9)

- The Western region has the highest percentage of part-time faculty with graduate preparation (32%), and the South has the lowest (14%).
- For both the North Atlantic and the Midwest, the percentage of part-time faculty with graduate education was 19 percent.
- In all regions, the largest group of part-time faculty had a baccalaureate degree as the highest earned credential. The percentages range from 50 percent in the Midwest to 60 percent in the Western region.
- The West has only 7 percent of part-time faculty who are not prepared at least at the baccalaureate level.
- The Midwest has the highest percentage of part-time faculty who do not have at least a baccalaureate degree (31.7%).
- The percentage of part-time LPN/LVN faculty with an associate degree as their highest preparation was highest in the South (15%) and lowest in the West (3%). The North Atlantic and Midwestern regions reported that 9 percent and 7 percent, respectively, of part-time faculty had only associate degrees.
- The Midwest had the highest percentage (25%) of part-time faculty with diploma preparation, and the West had the lowest percentage (4%). In both the North Atlantic and the Southern regions, about 18 percent of LPN/LVN part-time faculty had a diploma as their highest earned credential.

Table PNF-9

HIGHEST EARNED CREDENTIAL OF PART-TIME NURSE FACULTY OF LPN/LVN PROGRAMS, BY NLN REGION: 1972 TO 1986

YEAR[1]	TOTAL PART-TIME FACULTY REPORTED[2]		HIGHEST EARNED CREDENTIAL									
			Doctorate		Master's		Baccalaureate		Associate Degree		Diploma	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
North Atlantic												
1972	263	100.0	2	0.8	20	7.6	101	38.4	3	1.1	137	52.1
1974	282	100.0	2	0.7	28	9.9	129	45.7	10	3.6	113	40.1
1976	296	100.0	1	0.3	32	10.8	135	45.6	8	2.7	120	40.6
1978	303	100.0	1	0.3	35	11.6	139	45.9	20	6.6	108	35.6
1980	290	100.0	0	0.0	37	12.8	146	50.3	20	6.9	87	30.0
1982	307	100.0	1	0.3	36	11.7	165	53.8	14	4.6	91	29.6
1984	374	100.0	2	0.5	64	17.1	201	53.7	22	5.9	84	22.5
1986	269	100.0	1	0.4	50	18.6	147	54.6	24	8.9	47	17.5
Midwestern												
1972	301	100.0	1	0.3	11	3.7	115	38.2	8	2.7	166	55.1
1974	407	100.0	0	0.0	16	3.9	156	38.3	12	3.0	223	54.8
1976	429	100.0	0	0.0	23	5.4	168	39.2	19	4.4	219	51.0
1978	406	100.0	1	0.2	32	7.9	178	43.8	16	4.0	179	44.1
1980	468	100.0	0	0.0	22	4.7	249	53.2	21	4.5	176	37.6
1982	476	100.0	1	0.2	30	6.3	263	55.3	34	7.1	148	31.1
1984	509	100.0	0	0.0	61	12.0	240	47.2	62	12.2	146	28.7
1986	290	100.0	1	0.3	53	18.3	144	49.7	21	7.2	71	24.5
Southern												
1972	224	100.0	0	0.0	10	4.5	96	42.8	8	3.6	110	49.1
1974	250	100.0	0	0.0	21	8.4	76	30.4	15	6.0	138	55.2
1976	172	100.0	0	0.0	14	8.1	65	37.8	18	10.5	75	43.6
1978	192	100.0	0	0.0	21	10.9	87	45.3	13	6.8	71	37.0
1980	243	100.0	0	0.0	24	9.9	101	41.6	31	12.7	87	35.8
1982	247	100.0	0	0.0	34	13.8	122	49.4	31	12.5	60	24.3
1984	288	100.0	0	0.0	42	14.6	156	54.2	23	8.0	67	23.3
1986	172	100.0	0	0.0	24	14.0	91	52.9	26	15.1	31	18.0
Western												
1972	202	100.0	3	1.5	33	16.3	80	39.6	7	3.5	79	39.1
1974	226	100.0	1	0.4	33	14.6	105	46.5	12	5.3	75	33.2
1976	203	100.0	0	0.0	39	19.2	110	54.2	9	4.4	45	22.2
1978	248	100.0	1	0.4	57	23.0	136	54.8	14	5.7	40	16.1
1980	237	100.0	0	0.0	44	18.6	146	61.6	17	7.2	30	12.6
1982	273	100.0	3	1.1	41	15.0	160	58.6	32	11.7	37	13.6
1984	300	100.0	2	0.7	90	30.0	163	54.3	23	7.7	24	8.0
1986	243	100.0	5	2.1	73	30.0	146	60.1	16	3.3	18	3.7

[1] As of January of each year

[2] Includes American Samoa, Guam, Puerto Rico, and the Virgin Islands

Full-Time Master's and Baccalaureate Faculty with Nursing and Non-Nursing Degrees (Table PNF-10)

- This table presents the number and percentage of full-time LPN/LVN faculty prepared with a master's or baccalaureate degree who obtained their highest credential with a major in nursing. The data show that 43 percent of master's prepared and 74 percent of baccalaureate-prepared full-time LPN/LVN faculty have their degree in nursing. These figures represent a slight decrease from 1984.
- The West had the highest percentage (59%) of master's prepared full-time faculty with a nursing degree. The South had the lowest percentage at 25 percent.
- The West also had the highest percentage of baccalaureate-prepared faculty with a degree in nursing (87%). The North Atlantic region had the lowest (65%).

Table PNF-10

NURSING AND NON-NURSING DEGREES HELD BY MASTER'S AND BACCALAUREATE-PREPARED FULL-TIME FACULTY IN LPN/LVN PROGRAMS, BY NLN REGION

NLN REGION[1]	MASTER'S DEGREE						BACCALAUREATE DEGREE					
	Total[2]		Nursing Major		Non-Nursing Major		Total[2]		Nursing Major		Non-Nursing Major	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Regions	**793**	**100.0**	**343**	**43.3**	**450**	**56.7**	**1,355**	**100.0**	**997**	**73.6**	**358**	**26.4**
North Atlantic	188	100.0	79	42.0	109	58.0	340	100.0	221	65.0	119	35.0
Midwestern	210	100.0	82	39.1	128	60.9	364	100.0	255	70.1	109	29.9
Southern	152	100.0	38	25.0	114	75.0	451	100.0	348	77.1	103	22.8
Western	243	100.0	144	59.3	99	40.7	200	100.0	173	86.5	27	13.5

[1] Includes American Samoa, Guam, Puerto Rico, and the Virgin Islands

[2] Excludes the director of the school

Part-Time Master's and Baccalaureate-Prepared Faculty with Nursing and Non-Nursing Degrees (Table PNF-11)

- Table PNF-11 presents the number and percentage of part-time LPN/LVN faculty prepared with a master's or baccalaureate degree whose highest credential was in nursing.
- According to the questionnaire responses, 58 percent of part-time faculty with a master's degree and 82 percent with a baccalaureate degree obtained their degrees in nursing.
- The Western and North Atlantic regions had the highest percentages of master's prepared faculty with a nursing major—69 percent and 62 percent, respectively. The South had the lowest percentage (29%).
- The four regions had approximately the same percentages of baccalaureate-prepared part-time faculty with a nursing major, ranging from 79 to 85 percent.

Table PNF-11

NURSING AND NON-NURSING DEGREES HELD BY MASTER'S AND BACCALAUREATE-PREPARED PART-TIME FACULTY IN LPN/LVN PROGRAMS, BY NLN REGION

NLN REGION[1]	MASTER'S DEGREE						BACCALAUREATE DEGREE					
	Total[2]		Nursing Major		Non-Nursing Major		Total[2]		Nursing Major		Non-Nursing Major	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Regions	**200**	**100.0**	115	**57.5**	**85**	**42.5**	**528**	**100.0**	**434**	**82.2**	**94**	**17.8**
North Atlantic	50	100.0	31	62.0	19	38.0	147	100.0	117	79.6	30	20.4
Midwestern	53	100.0	27	50.9	26	49.1	144	100.0	121	84.0	23	16.0
Southern	24	100.0	7	29.2	17	70.8	91	100.0	72	79.1	19	20.9
Western	73	100.0	50	68.5	23	31.5	146	100.0	124	84.9	22	15.1

[1] Includes American Samoa, Guam, Puerto Rico, and the Virgin Islands

[2] Excludes the director of the school

Credentials of Faculty by State (Table PNF-12)

- The states in which the majority of full-time LPN/LVN faculty have graduate preparation are Arizona, California, Hawaii, Kansas, Nevada, Oregon, and Rhode Island.
- The states in which between 40 and 50 percent of the part-time faculty have graduate preparation are Illinois, Kansas, New Hampshire, Pennsylvania, Utah, and Washington.

Table PNF-12

HIGHEST EARNED CREDENTIAL OF FULL-TIME AND PART-TIME NURSE FACULTY IN LPN/LPN PROGRAMS, BY STATE

STATE	TOTAL NUMBER OF PROGRAMS	NUMBER OF PROGRAMS RESPONDING	FULL-TIME NURSE FACULTY						PART-TIME NURSE FACULTY					
			Total	Highest Earned Credential					Total	Highest Earned Credential				
				Doctorate	Master's	Baccalaureate	Associate Degree	Diploma		Doctorate	Master's	Baccalaureate	Associate Degree	Diploma
Alabama	23	11	40	0	16	18	1	5	26	0	3	22	0	1
Alaska	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arizona	12	10	30	1	16	13	0	0	28	0	8	18	1	1
Arkansas	29	16	18	0	1	6	2	9	7	0	0	2	2	3
California	86	53	189	3	100	74	7	5	124	2	25	78	10	9
Colorado	14	8	19	0	3	16	0	0	11	0	4	6	0	1
Connecticut	10	7	32	0	8	24	0	0	14	0	1	11	0	2
Delaware	3	3	17	0	8	9	0	0	6	0	1	5	0	0
District of Columbia	3	0	—	—	—	—	—	—	—	—	—	—	—	—
Florida	35	24	137	0	35	68	8	26	61	0	6	41	6	8
Georgia	44	20	51	0	5	17	7	22	10	0	0	7	3	0
Hawaii	4	3	15	0	10	5	0	0	0	0	0	0	0	0
Idaho	8	2	3	0	0	2	0	1	0	0	0	0	0	0
Illinois	41	27	157	2	72	75	1	7	47	1	22	21	0	3
Indiana	19	17	51	0	11	40	0	0	35	0	6	23	2	4
Iowa	27	14	41	0	8	20	1	12	34	0	1	17	4	12
Kansas	17	11	50	0	31	19	0	0	12	0	5	7	0	0
Kentucky	17	9	39	0	1	30	3	5	22	0	1	16	1	4
Louisiana	37	17	69	0	2	41	0	26	7	0	1	5	1	0
Maine	5	3	15	0	0	9	0	6	4	0	0	4	0	0
Maryland	18	11	27	0	10	15	1	1	9	0	2	6	0	1
Massachusetts	23	15	72	0	23	47	0	2	29	0	6	22	1	0
Michigan	33	24	127	1	53	51	6	16	66	0	9	40	7	10
Minnesota	27	20	47	0	10	28	1	8	43	0	4	20	3	16
Mississippi	12	2	7	0	2	5	0	0	11	0	0	10	1	0
Missouri	35	25	67	0	4	28	7	28	16	0	1	7	2	6
Montana	5	2	6	0	0	6	0	0	0	0	0	0	0	0
Nebraska	8	8	47	0	1	31	0	15	37	0	2	29	0	6
Nevada	4	1	1	0	1	0	0	0	0	0	0	0	0	0
New Hampshire	5	5	16	0	5	11	0	0	12	1	5	6	0	0
New Jersey	31	12	55	0	16	24	4	11	42	0	3	26	7	6
New Mexico	9	7	30	0	21	9	0	0	2	0	0	2	0	0
New York	92	48	200	0	69	100	9	22	150	0	29	80	13	28
North Carolina	26	19	43	0	10	29	0	4	15	0	2	12	0	1
North Dakota	7	5	14	0	3	6	0	5	2	0	0	0	0	2
Ohio	43	30	94	0	12	56	3	23	65	0	3	49	3	10
Oklahoma	27	16	31	0	6	17	3	5	11	0	1	7	1	2
Oregon	12	11	69	1	55	12	0	1	28	0	12	16	0	0
Pennsylvania	56	49	179	1	51	107	4	16	96	0	4	80	1	11
Rhode Island	1	1	15	0	8	7	0	0	1	0	1	0	0	0
South Carolina	34	2	50	0	4	35	2	9	17	0	3	13	1	0
South Dakota	3	1	1	0	0	1	0	0	2	0	0	0	0	2
Tennessee	25	16	50	0	2	10	17	21	4	0	0	1	1	2
Texas	121	71	186	1	38	90	16	41	29	0	2	17	5	5
Utah	6	6	29	1	4	17	4	3	15	3	3	4	4	1
Vermont	3	3	12	0	0	8	0	4	7	0	0	5	2	0
Virginia	57	29	81	0	12	38	5	26	20	0	1	15	1	3
Washington	25	17	64	0	27	30	0	7	48	0	21	22	1	4
West Virginia	19	12	28	0	5	10	7	6	11	0	1	7	2	1
Wisconsin	11	5	15	0	5	10	0	0	7	0	0	7	0	0
Wyoming	7	6	14	0	5	8	0	1	3	0	0	1	0	2
American Samoa	1	1	4	0	0	2	0	2	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Puerto Rico	24	4	36	0	4	21	1	10	7	0	1	5	1	0
Virgin Islands	1	—	—	—	—	—	—	—	—	—	—	—	—	—
TOTAL	1,245	757	2,690	[illegible]	793	1,355	120	411	1,253	7	200	792	87	167

FACULTY CHARACTERISTICS

Ethnic Background of Administrators (Table PNF-13)

- Of LPN/LVN program administrators responding to the survey, 9.5 percent are from an ethnic minority group.
- Compared with other regions, the West has the highest percentage of administrators from an ethnic minority group, while the North Atlantic region has the lowest.

Table PNF-13
ETHNIC BACKGROUND OF ADMINISTRATORS IN LPN/LVN PROGRAMS, BY NLN REGION

NLN REGION[1]	NUMBER OF ADMINISTRATORS		ETHNIC BACKGROUND OF ADMINISTRATORS									
			American Indian or Alaskan Native		Asian or Pacific Islander		Black Non-Hispanic		Hispanic		White Other than Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Regions	**377**	**100.0**	**4**	**1.1**	**5**	**1.3**	**23**	**6.1**	**4**	**1.1**	**341**	**90.5**
North Atlantic	81	100.0	1	1.2	0	0.0	2	2.5	1	1.2	77	95.1
Midwestern	114	100.0	1	0.9	1	0.9	6	5.3	0	0.0	106	93.0
Southern	101	100.0	1	1.0	1	1.0	10	9.9	1	1.0	88	87.1
Western	81	100.0	1	1.2	3	3.7	5	6.2	2	2.5	70	86.4

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands

Ethnic Background of Faculty (Tables PNF-14 and PNF-15)

- Of all LPN/LVN faculty members, approximately 12 percent of full-time faculty and 9 percent of part-time faculty are from ethnic minority groups.
- Compared with other regions, the South had the greatest percentages of both full-time and part-time black and Hispanic faculty, with 9 percent full-time and 8 percent part-time black faculty and 6 percent full-time and 6 percent part-time Hispanic faculty.
- The Midwest had the highest percentage of white, non-Hispanic full-time faculty (92%), and the South had the lowest (84%).
- Asian and Pacific Islanders represented approximately 1 percent of both full-time and part-time LPN/LVN faculty.

Table PNF-14
ETHNIC BACKGROUND OF FULL-TIME FACULTY IN LPN/LVN PROGRAMS, BY NLN REGION

NLN REGION[1]	NUMBER OF FULL-TIME FACULTY[2]		ETHNIC BACKGROUND OF FACULTY									
			American Indian or Alaskan Native		Asian or Pacific Islander		Black Non-Hispanic		Hispanic		White Other than Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Regions	**3,049**	**100.0**	**8**	**0.3**	**31**	**1.0**	**239**	**7.8**	**97**	**3.1**	**2,675**	**87.7**
North Atlantic	688	100.0	0	0.0	2	0.3	56	8.1	6	0.9	624	90.7
Midwestern	797	100.0	2	0.3	8	1.0	54	6.8	3	0.4	730	91.6
Southern	1,040	100.0	1	0.1	3	0.3	95	9.1	67	6.4	874	84.0
Western	524	100.0	5	1.0	18	3.6	34	6.9	20	4.0	447	90.1

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands
[2] Excludes administrator of the nursing program

Table PNF-15

ETHNIC BACKGROUND OF PART-TIME FACULTY IN LPN/LVN PROGRAMS, BY NLN REGION

NLN REGION[1]	NUMBER OF PART-TIME FACULTY		ETHNIC BACKGROUND OF FACULTY									
			American Indian or Alaskan Native		Asian or Pacific Islander		Black Non-Hispanic		Hispanic		White Other than Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Regions	**1,000**	**100.0**	**1**	**0.1**	**12**	**1.2**	**51**	**5.1**	**26**	**2.6**	**910**	**91.0**
North Atlantic	271	100.0	0	0.0	3	1.1	11	4.1	5	1.8	252	93.0
Midwestern	307	100.0	0	0.0	5	1.7	16	5.3	1	0.3	279	92.7
Southern	179	100.0	0	0.0	1	0.6	15	8.4	11	6.1	152	84.9
Western	249	100.0	1	0.4	3	1.2	9	3.6	9	3.6	227	91.2

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Number of Male Faculty (Table PNF-16)

- Men constituted 1.7 percent of all full-time and 7.4 percent of all part-time LPN/LVN faculty.
- For both full-time and part-time faculty, the highest percentages of male faculty were in the West (4.4% and 16.1%, respectively).

Table PNF-16

FULL-TIME AND PART-TIME MALE FACULTY IN LPN/LVN PROGRAMS, BY NLN REGION

NLN REGION	FULL-TIME FACULTY				PART-TIME FACULTY			
	Total		Male Faculty		Total		Male Faculty	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Regions	**3,065**	**100.0**	**53**	**1.7**	**915**	**100.0**	**68**	**7.4**
North Atlantic	695	100.0	3	4.3	234	100.0	12	5.1
Midwestern	835	100.0	10	2.0	298	100.0	10	3.4
Southern	1,039	100.0	18	1.7	172	100.0	12	7.0
Western	496	100.0	22	4.4	211	100.0	34	16.1

FACULTY WORKLOAD

Faculty Workload—Number of Hours per Week (Table PNF-17)

- Each week LPN/LVN faculty spend approximately 10 hours in classroom and 18 hours in clinical teaching. An additional 14 hours are spent each week in advisement and counseling, preparation, professional activity, committee work, research, and nursing practice (other than teaching).

- Faculty in the South reported the greatest number of hours spent in classroom teaching per week—a mean of 12.1 hours. Faculty in the West reported the least time in classroom teaching—a mean of 7.2 hours per week.

- Faculty in the North Atlantic and Southern regions spent an average of approximately 18 to 19 hours a week in clinical teaching—the highest regional means. Faculty in the Midwest and West had lower regional means for clinical teaching (16.7 hours for both regions).

- After classroom and clinical teaching, faculty spent the most time in preparation (mean of 7 hours per week), followed by advisement and counseling and professional activities, which had means of 2.9 and 1.8 hours respectively per week. Committee work and nursing practice each occupied on the average slightly more than 1 hour per week.

Table PNF-17

FACULTY WORKLOAD—NUMBER OF HOURS PER WEEK FOR A TYPICAL FACULTY MEMBER IN LPN/LVN PROGRAMS, BY NLN REGION

FACULTY ACTIVITY	ALL REGIONS			NORTH ATLANTIC		MIDWESTERN		SOUTHERN		WESTERN	
	Mean	Standard Deviation	Range	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation
Classroom teaching	10.0	7.0	0-40	10.8	7.1	8.5	4.7	12.1	8.1	7.2	5.3
Clinical teaching	18.1	16.7	0-40	18.1	7.2	16.7	5.3	19.3	8.4	16.7	4.9
Advisement and counseling	2.9	2.6	0-30	2.5	1.9	2.9	2.3	3.0	3.2	3.1	2.3
Preparation	7.0	4.7	0-40	6.2	4.0	7.5	4.8	6.7	4.6	7.5	5.0
Nursing practice	1.1	3.7	0-30	0.9	3.1	0.5	2.0	1.5	4.8	1.2	3.1
Research	0.3	1.1	0-12	0.4	1.4	0.2	1.0	0.3	1.2	0.4	1.0
Committee work	1.4	2.6	0-46	1.1	1.8	1.2	1.6	1.6	3.4	1.5	2.2
Professional activities	1.8	2.4	0-34	1.6	2.2	1.9	3.2	1.8	2.1	1.9	1.7
Total faculty hours	42.2	13.5	7-96	41.7	12.4	39.4	9.4	46.3	16.5	39.6	9.8

Faculty Workload—Number of Students (Table PNF-18)

- The average LPN/LVN faculty member saw 24.9 students in the classroom, 11.5 students in the clinical area, and 7.9 students for advisement and counseling per week (means).

- The North Atlantic had the highest number of students in the classroom, with a mean of 30.6 students and a standard deviation of 20.3.

- The lowest number of students in the classroom was reported in the South—a mean of 21 students per week.

- The mean number of students in the clinical area ranged across regions from 10.1 to 12.6 students per faculty member.

Table PNF-18
FACULTY WORKLOAD—NUMBER OF STUDENTS PER WEEK FOR A TYPICAL FACULTY MEMBER IN LPN/LVN PROGRAMS, BY NLN REGION

FACULTY ACTIVITY	ALL REGIONS		NORTH ATLANTIC		MIDWESTERN		SOUTHERN		WESTERN	
	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation
Classroom teaching	24.9	15.0	30.6	20.3	25.8	14.2	21.0	11.2	26.0	13.9
Clinical teaching	11.5	7.5	12.6	10.6	10.1	6.6	11.6	6.5	12.2	6.2
Advisement and counseling	7.9	8.5	7.0	8.4	7.1	5.7	8.7	10.6	8.3	6.4

COMPUTER TECHNOLOGY

Computer Technology and Applications (Table PNF-19 to PNF-21)

- Tables PNF-19 to PNF-21 present information on the use of computer technology and its applications in LPN/LVN education. These questions were asked on a one-time basis to explore a topic of current interest.

- Sixty percent of the responding programs reported that at least a few faculty members attended continuing education programs on computer technology or applications (Table PNF-19).

- Thirty-six percent of the programs reported that at least a few faculty members integrated computer applications into nursing courses (Table PNF-19).

- Courses in computer applications were required by 10.7 percent of the responding LPN programs. Another 22.3 percent had courses available for students (data do not appear in table).

- Nine percent of the programs reported having nurse faculty teaching computer applications. Six percent of programs report having non-nurse faculty teaching computer applications (Table PNF-20).

- The majority of nursing programs reported that their recent alumni and current students are not or would not be prepared to use computer technology in their nursing practice. Only 12 percent of programs reported that most of their current students would be prepared to use computers, and 8 percent of the programs reported that most of their 1985 graduates were prepared to use computer technology in their practice (Table PNF-21).

Table PNF-19
INVOLVEMENT OF LPN/LVN FACULTY IN COMPUTER APPLICATIONS

INVOLVEMENT WITH COMPUTER TECHNOLOGY/APPLICATIONS	NUMBER OF RESPONDING PROGRAMS	PERCENT OF PROGRAMS RESPONDING			
		No Faculty	A Few Faculty	Some Faculty	Most Faculty
Attendance at an educational program on computer technology during 1985-86	742	30.2	26.4	12.8	30.6
Integration of computer applications into nursing courses	744	63.8	19.9	9.4	6.9

Table PNF-20
PERCENT OF LPN/LVN PROGRAMS REPORTING FACULTY TEACHING COMPUTER APPLICATIONS

NUMBER OF FACULTY	PERCENT OF PROGRAMS RESPONDING	
	Nurse Faculty	Non-Nurse Faculty
None	90.8	93.6
1	6.8	4.2
2	1.9	1.2
3	0.1	0.4
4	0.4	0.1
5	0.0	0.4
Total	100.0	100.0

Table PNF-21
PERCENT OF LPN/LVN PROGRAMS REPORTING ALUMNI AND STUDENTS PREPARED TO USE COMPUTER TECHNOLOGY IN THEIR NURSING PRACTICE AFTER GRADUATION

STUDENTS	PERCENT OF PROGRAMS RESPONDING			
	None	A Few Students	Some Students	Most Students
Current students	61.7	17.3	8.6	12.4
Graduates in 1985	72.1	15.4	4.6	7.9

SALARIES IN LPN/LVN EDUCATION

- This section presents information about the salaries of administrators and full-time faculty in LPN/LVN education programs. Salaries are presented according to highest earned credential, NLN region, and type of institutional support.

- *Data Collection:* Each program was asked to provide the following information for the 1985-86 academic year: (a) total number of full-time faculty, (b) number of full-time faculty per academic year and calendar year, (c) range of salaries from highest to lowest, and (d) mean (arithmetic) salary by faculty rank and highest credential.

- *Academic Year versus Calendar Year:* These salary tables present separate data for calendar year and academic year salaries. Patterns of faculty appointment vary greatly among schools. Academic year appointments are usually made for 9 to 10 months. Appointments for a calendar year are usually for 11 months (with one month vacation per year).

- LPN/LVN programs are located in a variety of types of organizations. The salaries of LPN/LVN administrators and faculty reflect the salary scale of the parent organization, which may be a four-year college, two-year community or junior college, hospital, adult vocational program, or secondary school. Moreover, each of these organizational types may have either public or private financial support.

Salaries in LPN/LVN Education (Table PNF-22 to PNF-24)

- Administrators and faculty with doctoral preparation earn higher salaries on the average than those with other academic credentials (Table PNF-22).

- In general, the average calendar-year salaries are not higher than academic-year salaries, except for those of chief administrators. For some categories, such as instructors with a baccalaureate as their highest credential, the standard deviation is greater for calendar-year appointments (Table PNF-22).

- There appears to be no consistent pattern among salaries by region for any of the faculty positions, either for academic- or calendar-year salaries.

- Most LPN/LVN programs are in institutions that receive their support from the public sector. In general, mean salaries are higher in institutions with public financial support (Table PNF-24).

Table PNF-22

MEAN SALARIES OF LPN/LVN ADMINISTRATORS AND FACULTY, BY ACADEMIC AND CALENDAR YEAR APPOINTMENT

RANK AND HIGHEST CREDENTIAL	ACADEMIC YEAR			CALENDAR YEAR		
	Number	Mean	Standard Deviation	Number	Mean	Standard Deviation
CHIEF ADMINISTRATOR						
Doctorate	11	$32,282	$10,791	30	$37,500	$6,318
Master's (nursing)	58	30,900	7,397	67	33,197	5,910
Master's (non-nursing)	73	30,482	7,520	103	33,803	6,715
Other	155	27,287	6,206	180	29,513	2,195
ASSOCIATE/ASSISTANT ADMINISTRATOR						
Doctorate	*	*	*	*	*	*
Master's (nursing)	11	30,460	6,694	8	28,638	3,480
Master's (non-nursing)	7	27,671	5,495	14	32,323	5,405
Other	18	29,975	6,662	28	30,194	5,774
DEPARTMENT HEAD/COORDINATOR						
Doctorate	*	*	*	*	*	*
Master's (nursing)	40	28,864	6,387	19	28,744	3,975
Master's (non-nursing)	57	30,308	6,658	39	29,769	6,100
Baccalaureate	86	25,048	4,833	94	25,916	5,001
Other	68	18,787	8,120	71	21,806	1,505
INSTRUCTOR						
Doctorate	*	*	*	*	*	*
Master's (nursing)	125	25,766	5,714	70	25,970	4,958
Master's (non-nursing)	195	23,946	12,510	232	23,531	13,314
Baccalaureate	162	21,768	10,019	512	23,195	14,759
Other	189	24,359	8,050	246	21,351	14,059
ASSISTANT INSTRUCTOR/ OTHER RANK						
Doctorate	0	—	—	0	—	—
Master's (nursing)	16	26,680	4,936	*	*	*
Master's (non-nursing)	11	29,386	3,699	*	*	*
Baccalaureate	30	21,218	6,244	14	23,850	1,679
Other	32	26,494	5,901	17	23,286	4,571

*Too few data to warrant publication

Table PNF-23

MEAN SALARIES OF LPN/LVN ADMINISTRATORS AND FACULTY, BY NLN REGION

RANK AND HIGHEST CREDENTIAL	ACADEMIC YEAR APPOINTMENT				CALENDAR YEAR APPOINTMENT			
	North Atlantic	Midwestern	Southern	Western	North Atlantic	Midwestern	Southern	Western
CHIEF ADMINISTRATOR								
Doctorate	$36,210	$34,051	$36,750	*	$43,329	$45,536	$41,364	$49,788
Master's (nursing)	*	33,000	*	$34,309	*	34,583	35,650	*
Master's (non-nursing)	*	*	*	*	33,446	33,563	33,129	36,742
Other	29,943	28,180	25,219	28,286	27,125	29,000	30,524	27,667
ASSOCIATE/ASSISTANT ADMINISTRATOR								
Doctorate	*	*	*	*	—	*	—	*
Master's (nursing)	—	*	—	*	—	27,700	*	*
Master's (non-nursing)	*	*	*	*	33,500	*	31,050	*
Other	*	*	*	*	*	*	*	—
DEPARTMENT HEAD/COORDINATOR								
Doctorate	—	—	—	*	—	—	*	*
Master's (nursing)	*	26,738	30,029	28,062	28,617	*	29,100	*
Master's (non-nursing)	31,500	28,133	28,030	32,280	28,992	29,982	30,413	30,225
Baccalaureate	25,040	22,213	25,860	27,690	27,075	25,932	24,983	26,957
Other	22,440	23,911	25,764	26,920	24,197	23,294	23,177	*
INSTRUCTOR								
Doctorate	*	*	*	*	—	—	—	*
Master's (nursing)	26,308	24,078	23,867	26,417	26,840	26,914	24,767	25,891
Master's (non-nursing)	23,649	27,567	22,957	21,236	25,823	27,746	20,373	23,244
Baccalaureate	22,535	21,945	22,054	21,150	23,180	25,252	21,853	23,976
Other	25,700	24,631	22,838	25,815	23,680	22,465	19,460	25,167
ASSISTANT INSTRUCTOR/ OTHER RANK								
Doctorate	—	—	—	—	—	—	—	—
Master's (nursing)	23,400	*	*	*	*	*	*	*
Master's (non-nursing)	29,300	*	*	*	*	*	*	*
Baccalaureate	19,350	*	*	*	*	*	*	*
Other	23,174	*	*	*	*	*	*	*

*Too few data to warrant publication

Table PNF-24

MEAN SALARIES OF LPN/LVN ADMINISTRATORS AND FACULTY, BY TYPE OF INSTITUTIONAL SUPPORT

RANK AND HIGHEST CREDENTIAL	ACADEMIC YEAR APPOINTMENT			CALENDAR YEAR APPOINTMENT		
	Public	Private Secular	Private Religious	Public	Private Secular	Private Religious
CHIEF ADMINISTRATOR						
Doctorate	$32 282	–	–	$37 500	–	–
Master's (nursing)	31 031	*	–	33 627	$29 967	*
Master's (non-nursing)	30 836	*	–	33 863	33 700	*
Other	26 466	$35 500	–	29 942	27 182	*
ASSOCIATE/ASSISTANT ADMINISTRATOR						
Doctorate	*	*	–	*	–	–
Master's (nursing)	30 460	*	–	28 743	*	–
Master's (non-nursing)	27 200	*	–	32 109	*	*
Other	28 967	*	–	*	–	–
DEPARTMENT HEAD/COORDINATOR						
Doctorate	*	–	–	*	–	–
Master's (nursing)	29 317	*	–	29 019	–	*
Master's (non-nursing)	30 939	*	–	29 984	–	*
Baccalaureate	24 905	*	–	26 269	23 120	*
Other	23 146	*	–	20 534	*	*
INSTRUCTOR						
Doctorate	*	–	–	–	*	–
Master's (nursing)	25 757	*	–	27 039	21 229	*
Master's (non-nursing)	19 810	*	–	23 187	18 983	*
Baccalaureate	22 285	16 709	–	22 216	24 186	*
Other	24 480	22 963	–	21 793	16 170	*
ASSISTANT INSTRUCTOR/ OTHER RANK						
Doctorate	–	–	–	–	–	–
Master's (nursing)	23 400	*	*	*	*	*
Master's (non-nursing)	27 710	*	–	23 619	*	*
Baccalaureate	20 174	*	–	*	*	*
Other	23 482	–	–	*	*	*

*Too few data to warrant publication.

NURSING DATA REVIEW 1987

. . . the comprehensive sourcebook compiling all the research data from *Nursing Student Census with Policy Implications 1987* and *Nurse Faculty: Socioeconomic Trends 1986, plus* complete, previously unpublished statistics and long-range trends on faculty and students in practical and vocational nursing programs.

Covering both RN and LPN/LVN programs, **Nursing Data Review 1987** includes:

- Over 180 tables, charts, and graphs presenting national, regional, and state perspectives on the nursing profession.
- Cross tabulations by state of admissions, enrollments, and graduations from all types of nursing programs.
- Salaries and credentials of faculty and administrators, by position.
- A complete profile of how faculty spend their week—classroom, clinical, practice, professional, and other activities—as well as student workload.
- Male-female ratios and ethnic background of faculty and students.
- Analysis of the main points of each table and summaries of the salient overall trends found in the data.

Nursing Data Review combines in one easy-to-use volume all the essential data for analyzing the current climate and predicting the future trends in the nursing profession. **Nursing Data Review** replaces the NLN *Nursing Data Book* as the complete reference tool for those who need figures at their fingertips.

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Preface

Nursing Data Review 1988 offers an overview and summary of the League's recent research activities. These data were compiled by the Division of Research and report the findings of two major surveys: the annual survey of state-approved schools of nursing (1986-87) and the biennial survey of nurse faculty (1988).

In order to disseminate our research findings as soon as they become available, NLN has instituted a module format. Each module covers the results of a particular study, and the *Nursing Data Review* combines several modules together with additional, previously unpublished data. *Nursing Student Census with Policy Implications* is the module that provides trend data over 10 to 20 years on admissions, enrollments, and graduations, as well as other pertinent information regarding RN and graduate nursing programs. *Nurse Faculty: Socioeconomic Trends*, our second module, reports numbers, salaries, workload, credentials, and other topics concerning nursing faculty

Results of the annual survey are also included in NLN's *State-Approved Schools of Nursing—RN* and *State-Approved Schools of Nursing—LPN/LVN*. These data are used by a wide range of audiences including federal and state government agencies and individuals from the private sector who have used the survey findings in projecting the supply of and demand for nursing personnel.

We hope the new format will provide our readers with data in a more timely and readable manner. We thank the nursing schools, state boards, and individuals who have helped make this research publication possible.

Peri Rosenfeld, PhD
Vice President for Research

CONTENTS

Preface . . . iii

Definition of Terms . . . xv

Jurisdictions Included in the NLN Regions . . . xvi

Time Periods Used in Statistical Data . . . xvi

RN STUDENTS

Summary and Results of Nursing Student Census—1988 . . . 3

BASIC NURSING EDUCATION . . . 5

Basic RN Education . . . 7

- Basic RN Programs . . . 7
  - Table 1. Basic RN Programs and Percentage Change from Previous Year, by Type of Program: 1968 to 1987 . . . 7
- RN Programs, by Source of Funding . . . 8
  - Table 2. Public and Private Basic RN Programs, by Type of Program: 1978 to 1987 . . . 8
- RN Programs, by Region and State . . . 9
  - Table 3. All Basic RN Programs, by NLN Region and State: 1978 to 1987 . . . 10
  - Table 4. Baccalaureate Nursing Programs, by NLN Region and State: 1978 to 1987 . . . 11
  - Table 5. Associate Degree Nursing Programs, by NLN Region and State: 1978 to 1987 . . . 12
  - Table 6. Diploma Nursing Programs, by NLN Region and State: 1978 to 1987 . . . 13
- Baccalaureate Nursing Programs: Accreditation Status . . . 14
  - Table 7. Baccalaureate Nursing Programs That Enroll Basic and/or RN Students, by NLN Accreditation Status: January 1988 . . . 14
- Basic Nursing Programs: Accreditation and State Data . . . 15
  - Table 8. Basic RN Programs, by Type of Program and NLN Accreditation Status: January 1988 . . . 16

Tuitions . . . 17

- RN Programs: Tuitions . . . 17
  - Table 9. Mean Annual Tuitions of Full-Time Students in Public or Private Basic RN Programs, by NLN Region and State: 1987-88 . . . 18
  - Table 10. Mean Annual Tuitions of Full-Time Students in Public or Private Baccalaureate Nursing Programs, by NLN Region and State: 1987-88 . . . 19

Table 11. Mean Annual Tuitions of Full-Time Students in Public or Private Associate Degree Nursing Programs, by NLN Region and State: 1987-88 20

Table 12. Mean Annual Tuitions of Full-Time Students in Public or Private Diploma Nursing Programs, by NLN Region and State: 1987-88 21

Admissions 22

Fall Admissions, by Type of Financial Support 22

Table 13. Fall Admissions to Public and Private Basic RN Programs, by Type of Program: 1978 to 1987 22

Annual Admissions to Basic RN Programs 23

Table 14. Annual Admissions to Basic RN Programs and Percentage of Change from Previous Year, by Type of Program: 1967-68 to 1986-87 24

Table 15. Annual Admissions to Public and Private Basic RN Programs, by Type of Program: 1977-78 to 1986-87 24

Table 16. Annual Admissions to All Basic RN Programs, by NLN Region and State: 1977-78 to 1986-87 25

Table 17. Annual Admissions to Baccalaureate Nursing Programs, by NLN Region and State: 1977-78 to 1986-87 26

Table 18. Annual Admissions to Associate Degree Nursing Programs, by NLN Region and State: 1977-78 to 1986-87 27

Table 19. Annual Admissions to Diploma Nursing Programs, by NLN Region and State: 1977-78 to 1986-87 28

Table 20. Admissions to Basic RN Programs, by Type of Program and NLN Accreditation Status: August 1, 1986 to July 31, 1987 29

Enrollments 30

Enrollments in Basic RN Programs 30

Table 21. Enrollments in Basic RN Programs and Percentage Change from Previous Year, by Type of Program: 1968 to 1987 31

Table 22. Enrollments in Public and Private Basic RN Programs, by Type of Program: 1978 to 1987 31

Table 23. Total Enrollments in All Basic RN Programs, by NLN Region and State: 1978 to 1987 32

Table 24. Total Enrollments in Baccalaureate Nursing Programs, by NLN Region and State: 1978 to 1987 33

Table 25. Total Enrollments in Associate Degree Nursing Programs, by NLN Region and State: 1978 to 1987 34

Table 26. Total Enrollments in Diploma Nursing Programs, by NLN Region and State: 1978 to 1987 35

Table 27. Enrollments in Accredited and Non-Accredited Programs by NLN Region and State and Type of Program: 1987 36

Enrollments of RNs in Baccalaureate Nursing Programs 37

Table 28. Basic and RN Student Enrollments in Baccalaureate Nursing Programs: 1978 to 1987 38

Table 29. Full-Time and Part-Time Enrollments of Basic and RN Students in Baccalaureate Nursing Programs: 1983 to 1987 38

Table 30. Total Enrollments in Baccalaureate Nursing Programs, by NLN Region and State: 1983 to 1987 39

Graduations 40

Graduations from Basic RN Programs 40

Table 31. Graduations from Basic RN Programs and Percentage Change from Previous Year, by Type of Program: 1967-68 to 1986-87 41

Table 32. Graduations from Public and Private Basic RN Programs, by Type of Program: 1977-78 to 1986-87 41

Table 33. Graduations from All Basic RN Programs, by NLN Region and State: 1977-78 to 1986-87 42

Table 34. Graduations from Basic Baccalaureate Nursing Programs, by NLN Region and State: 1977-78 to 1986-87 43

Table 35. Graduations from Associate Degree Nursing Programs, by NLN Region and State: 1977-78 to 1986-87 44

Table 36. Graduations from Diploma Nursing Programs, by NLN Region and State: 1977-78 to 1986-87 45

Table 37. Graduations from Accredited and Non-Accredited Programs, by NLN Region and State and Type of Program: 1986-87 46

Graduations of RNs from Baccalaureate Nursing Programs 47

Table 38. Basic and RN Student Graduations from Baccalaureate Nursing Programs: 1977-78 to 1986-87 48

Table 39. Graduations of Registered Nurses from Baccalaureate Nursing Programs, by Previous Basic Nursing Education and Region: 1982-83 to 1986-87 48

Table 40. Total Graduations from Baccalaureate Nursing Programs, by NLN Region and State: 1983 to 1987 49

Men and Minority Students 50

Admissions of Men and Minority Students 50

Table 41. Admissions of Men and Minority Students to All Basic RN Programs, by NLN Region and States: 1986-87 51

Table 42. Admissions of Men and Minority Students to Baccalaureate Programs, by NLN Region and State: 1986-87 52

Table 43. Admissions of Men and Minority Students to Associate Degree Programs, by NLN Region and State: 1986-87 53

Table 44. Admissions of Men and Minority Students to Diploma Programs, by NLN Region and State: 1986-87 54

Table 45. Trends in Admissions of Men and Minority Students in Basic RN Programs, 1978 to 1987 55

HIGHER DEGREE NURSING EDUCATION

Doctoral Programs in Nursing 58

Doctoral Programs in Nursing 58

Table 46. Doctoral Programs in Nursing Located in Nursing Education Departments: 1978 to 1987 59

Table 47. Enrollments and Percentage Change from Previous Year of Nurses in Doctoral Programs Located in Nursing Education Departments: 1968 to 1987 60

Table 48. Enrollments of Registered Nurses in Doctoral Programs Located in Nursing Education Departments: 1978 to 1987 61

Graduations from Doctoral Nursing Programs 62

Table 49. Graduations of Registered Nurses from Doctoral Programs Located in Nursing Education Departments: 1977-78 to 1986-87 63

Master's Programs in Nursing 64

Master's Programs in Nursing 64

Table 50. Master's Programs in Nursing, by NLN Region and State: 1978 to 1987 65

Enrollments of Nurses in Master's Programs 66

Table 51. Enrollments of Nurses in Master's Programs and Percentage in NLN-Accredited Programs: 1968 to 1987 67

Table 52. Enrollments of Nurses in Master's Programs, Percentage Change from Previous Year, and Percentage Enrolled Full Time, by NLN Region: 1968 to 1987 67

Table 53. Enrollments of Registered Nurses in Master's Programs in Nursing, by NLN Region and State: 1978 to 1987 68

Full-Time Enrollments in Master's Programs, by Functional Area 69

Table 54. Full-Time Enrollments of Nurses in Master's Programs, by Functional Area of Study: 1978 to 1987 69

Full-Time Enrollments in Master's Programs, by Nursing Content Area 70

Table 55. Full-Time Enrollments in Advanced Clinical Practice, by Nursing Content Area: 1978 to 1987 70

Table 55a. Full-Time Enrollments in Teaching, by Nursing Content Area: 1985-87 70

Part-Time Enrollments in Master's Programs, by Functional Area of Study 71

Table 56. Part-Time Enrollments of Nurses in Master's Programs, by Functional Area of Study: 1978 to 1987 71

Part-Time Enrollments in Master's Programs, by Nursing Content Area 72

Table 56a. Part-Time Enrollments of Nurses in Advanced Clinical Practice, by Nursing Content Area:1985-87 72

Table 56b. Part-Time Enrollments of Nurses in Teaching, by Nursing Content Area: 1985-87 72

Graduations from Master's Programs 73

- Table 57. Graduations from Master's Programs and Percentage Change from Previous Year, by NLN Region: 1967-68 to 1986-87 73
- Table 58. Graduations of Registered Nurses from Master's Programs in Nursing, by NLN Region and State: 1977-78 to 1986-87 74

Graduations from Master's Programs, by Functional Area 75

- Table 59. Graduations of Nurses from Master's Programs, by Functional Area of Study: 1976-77 to 1986-87 75

Graduations from Master's Programs, by Nursing Content Area 76

- Table 60. Graduations of Nurses from Master's Programs, by Nursing Content Area: 1976-77 to 1986-87 76

RN FACULTY

Summary and Results of Nurse Faculty Census 79

Program Information 82

- Table F-1. Number and Percent of Nursing Education Programs, by NLN Region: 1988 82
- Table F-2. Number of Nursing Education Programs, by State: 1988 84

Number of Faculty and Unfilled Positions 85

- Table F-3. Total Number of Full-Time and Part-Time Faculty, by Type of Program and State: All Generic and Non-Generic Programs: 1988 86
- Table F-4. Change in Number of Full-Time and Part-Time Faculty and Unfilled Positions, by Type of Program: 1972-1988 88
- Table F-5. Estimated Number of Full-Time and Part-Time Faculty and Unfilled Positions and Percent Change, by Type of Program: 1972-1988 90
- Figure F-1. Number of Nursing Education Programs, by Program Type 91
- Figure F-2. Total Number of Full-Time and Part-Time Faculty in All Nursing Education Programs 92
- Figure F-3. Number of Full-Time Faculty, by Program Type 93
- Figure F-4. Number of Part-Time Faculty, by Program Type 94
- Figure F-5. Ratio of Full-Time to Part-Time Faculty, by Program Type 95
- Table F-6. Number and Percent of Nurse and Non-Nurse Faculty, by Type of Program and Region: 1988 96
- Table F-7. Mean Number of Full-Time and Part-Time Nurse Faculty and Unfilled Positions Per Program: 1970-1988 97
- Figure F-6. Mean Number of Full-Time Faculty, by Program Type 98
- Figure F-7. Mean Number of Part-Time Faculty, by Program Type 99
- Table F-8. Unfilled Nurse Faculty Budgeted Positions Per 100 Full-Time Faculty, by NLN Region: 1978-1988 100

Table F-9. Assignment of Full-Time Faculty to Baccalaureate or Graduate Teaching, by Region: 1978-1988 101

Highest Earned Credentials 102

Table F-10. Highest Earned Credential of Nursing Education Administrators, by Type of Program: 1970-1988 103

Figure F-8. Highest Earned Credentials of Administrators by Program Type: 1988 104
A. Baccalaureate and Higher Degree Programs
B. Associate Degree Programs
C. Diploma Programs

Table F-11. Highest Earned Credential of Full-Time Nurse Faculty, by Type of Program: 1970-1988 106

Figure F-9. Highest Earned Credentials of Full-Time Faculty, by Program Type: 1988 107
A. Baccalaureate and Higher Degree Programs
B. Associate Degree Programs
C. Diploma Programs

Table F-12. Highest Earned Credential of Part-Time Nurse Faculty, by Type of Program: 1970-1988 109

Figure F-10. Highest Earned Credentials of Part-Time Faculty, by Program Type: 1988 110
A. Baccalaureate and Higher Degree Programs
B. Associate Degree Programs
C. Diploma Programs

Table F-13. Highest Earned Credential of Full-Time Faculty, by NLN Region: 1972-1988 111

Table F-14. Highest Earned Credential of Full-Time and Part-Time Faculty, by State: 1988 113

Table F-15. Highest Earned Credential of Full-Time Faculty in Accredited and Non-Accredited Programs: 1972-1988 115

Table F-16. Highest Earned Credential of Part-Time Faculty in Accredited and Non-Accredited Programs: 1972-1988 117

Table F-17. Credentials of Full-Time Faculty: Percentage of Nursing and Non-Nursing Degrees, by Type of Program and NLN Region: 1988 119

Table F-18. Highest Earned Credential of Part-Time Faculty, by Type of Program and NLN Region: 1988 120

Table F-19. Highest Earned Credential of Graduate Faculty, by NLN Region 121

Faculty Characteristics 122

Table F-20. Ethnic Background of Administrators: Number and Percent, by Type of Program and Region: 1988 122

Table F-21. Ethnic Background of Full-Time Faculty, by Type of Program and NLN Region: 1988 123

Table F-22. Ethnic Background of Part-Time Faculty, by NLN Region and Types of Program 124

Table F-23. Full-Time Male Faculty, by Type of Program and Region: 1988 126

Table F-24. Part-Time Male Faculty, by Type of Program and Region: 1988 127

Faculty Workload 128

Table F-25. Comparison of Faculty Workload, by Type of Program: 1988 129

Table F-26. Comparison of Faculty Workload, by Type of Program (Percentiles): 1988 130

Table F-27. Comparison of Faculty Teaching Hours Per Week by NLN Region and Program Type (Mean Number of Hours): 1988 131

Table F-28. Comparison of Faculty Teaching Hours Per Week by Type of Baccalaureate Program and NLN Region: 1988 132

Table F-29. Comparison of Faculty Teaching Hours Per Week by NLN Accreditation Status and Program Type (Mean Number of Hours): 1988 133

Table F-30. Comparison of Faculty Teaching Hours Per Week by Type of Baccalaureate Program and NLN Accreditation Status: 1988 134

Table F-31. Comparison of Faculty Teaching Hours Per Week by Institutional Support and Program Type: 1988 135

Table F-32. Mean Number of Faculty Teaching Hours Per Week by Type of Baccalaureate Program and Institutional Support: 1988 136

Table F-33. Mean Number of Graduate Faculty Teaching Hours by NLN Region, Accreditation Status, and Institutional Support: 1988 137

Table F-34. Faculty Workload: Number of Students for a Typical Full-Time Faculty Member by Program Type: 1988 138

Table F-35. Faculty Workload: Number of Students by Classroom and Clinical Teaching by Type of Program (Percentiles): 1988 139

Table F-36. Comparisons of Number of Students in Classroom and Clinical Teaching by Type of Program and NLN Region (Mean Number of Students): 1988 140

Table F-37. Comparison of Number of Students in Classroom and Clinical Teaching in Baccalaureate Degree Programs by Type of Program and NLN Region (Mean Number of Students): 1988 141

Salaries in Nursing Education 142

Table F-38. Mean Salaries of Full-Time Faculty and Administrators, by Highest Credential, Type of Appointment, and Program: 1988 144

Figure F-11. Salary of Chief Administrators of Baccalaureate and Higher Degree Programs 145

Figure F-12. Salary of Chief Administrators of Associate Degree Programs 146

Figure F-13. Salary of Chief Administrators of Diploma Programs 147

Table F-39. Mean Salaries of Administrators in Baccalaureate and Higher Degree Programs by Highest Credential and NLN Region: 1988 148

Table F-40. Mean Salaries of Faculty in Generic Baccalaureate and Higher Degree Programs by Highest Credential, Type of Appointment, and NLN Region: 1988 149

Table F-41. Mean Salaries of Faculty in Baccalaureate and Higher Degree Programs that Admit Registered Nurses only by Highest Credential, Type of Appointment, and NLN Region: 1988 150

Table F-42. Mean Salaries of Administrators in Associate Degree Programs by Highest Credential, Type of Appointment, and NLN Region: 1988 151

Table F-43. Mean Salaries of Faculty in Associate Degree Programs by Highest Credential, Type of Appointment, and NLN Region: 1988 152

Table F-44. Mean Salaries of Administrators in Diploma Programs by Highest Credential, Type of Appointment, and NLN Region: 1988 153

Table F-45. Mean Salaries of Faculty in Diploma Programs by Highest Credential, Type of Appointment, and NLN Region: 1988 154

Table F-46. Mean Salaries of Administrators by Highest Credential, Type of Appointment, Type of Program and Institutional Support: 1988 155

Table F-47. Mean Salaries of Faculty by Highest Credential, Type of Appointment, Type of Program, and Institutional Support: 1988 156

PN STUDENTS

Summary and Results of LPN/LVN Student Census 159

LPN/LVN Programs 161

Number of LPN/LVN Programs 161

Table PN-1. LPN/LVN Schools and Programs with Percentage Change from Previous Year, by Type of Program: 1968 to 1987 161

Table PN-2. LPN/LVN Programs, by NLN Region and State: 1978 to 1987 162

LPN/LVN Programs by Source of Funding 163

Table PN-3. LPN/LVN Programs, by NLN Region and Primary Source of Financial Support: 1978 to 1987 163

Administrative Control of LPN/LVN Programs 164

Table PN-4. LPN/LVN Programs, by NLN Region and Type of Administrative Control: 1978 to 1987 165

Admissions 166

Annual Admissions to LPN/LVN Programs 166

Table PN-5. Admissions to LPN/LVN Programs and Percentage Change from Previous Year: 1967-68 to 1986-87 166

Table PN-6. Annual Admissions to LPN/LVN Programs, by NLN Region and State: 1977-78 to 1986-87 167

Table PN-7. Annual Admissions to LPN/LVN Programs, by NLN Region and Primary Source of Financial Support: 1977-78 to 1986-87 168

Table PN-8. Annual Admissions to LPN/LVN Programs, by NLN Region and Type of Administrative Control: 1977-78 to 1986-87 169

Fall Admissions to LPN/LVN Programs 170

Table PN-9. Fall Admissions to LPN/LVN Programs with Percentage Change from Previous Year: 1973 to 1987 170

Table PN-10. Fall Admissions to LPN/LVN Programs, by NLN Region and State: 1978 to 1987 171

Table PN-11. Fall Admissions to LPN/LVN Programs, by NLN Region and Primary Source of Financial Support: 1978 to 1987 172

Table PN-12. Fall Admissions to LPN/LVN Programs, by NLN Region and Type of Administrative Control: 1978 to 1987 173

Enrollments 174

Table PN-13. Enrollments in LPN/LVN Programs with Percentage Change from Previous Year: 1968 to 1987 174

Table PN-14. Enrollments in LPN/LVN Programs, by NLN Region and State: 1978 to 1987 175

Table PN-15. Enrollments in LPN/LVN Programs, by NLN Region and Primary Source of Financial Support: 1978 to 1987 176

Table PN-16. Enrollments in LPN/LVN Programs, by NLN Region and Administrative Control: 1978 to 1987 177

Graduations 178

Table PN-17. Graduations from LPN/LVN Programs with Percentage Change from Previous Year: 1967-68 to 1986-87 178

Table PN-18. Graduations from LPN/LVN Programs, by NLN Region and State: 1977-78 to 1986-87 179

Table PN-19. Graduations from LPN/LVN Programs, by NLN Region and Primary Source of Financial Support: 1977-78 to 1986-87 180

Table PN-20. Graduations from LPN/LVN Programs, by NLN Region and Type of Administrative Control: 1977-78 to 1986-87 181

Men and Minority Students 182

Table PN-21. Admissions of Men and Minority Students to LPN/LVN Programs, by NLN Region and State: 1986-87 183

Table PN-22. Trends in Admissions of Men and Minority Students in LPN/LVN Programs, 1978 to 1987 184

Tuition and Fees 185

Table PN-23. Mean Annual Tuitions of Full-Time Students in Public or Private LPN/LVN Programs, by NLN Region and State: 1987-88 186

PN FACULTY

Summary and Results of LPN/LVN Faculty Census 189

Number of Faculty and Unfilled Positions 190

Table PNF-1. Number of Full-Time and Part-Time Nurse Faculty in LPN/LVN Programs: 1968 to 1988 190

Table PNF-2. Full-Time and Part-Time Nurse Faculty and Unfilled Budgeted Positions in LPN/LVN Programs, by State: 1988 192

Table PNF-3. Percent of Nurse and Non-Nurse Faculty in LPN/LVN Programs, by NLN Region: 1988 193

Highest Earned Credentials 194

Table PNF-4. Highest Earned Credential of Administrators in LPN/LVN Programs: 1968 to 1988 194

Table PNF-5. Highest Earned Credential of Full-Time Nurse Faculty of LPN/LVN Programs: 1968 to 1988 195

Table PNF-6. Highest Earned Credential of Part-Time Nurse Faculty of LPN/LVN Programs: 1968 to 1988 195

Table PNF-7. Highest Earned Credential of Full-Time Nurse Faculty of LPN/LVN Programs, by NLN Region: 1974 to 1988 196

Table PNF-8. Highest Earned Credential of Part-Time Nurse Faculty of LPN/LVN Programs, by NLN Region: 1974 to 1988 197

Table PNF-9. Number of Full-Time LPN/LVN Faculty, by Type of Degree and NLN Region: 1988 198

Table PNF-10. Number of Part-Time LPN/LVN Faculty, by Type of Degree and NLN Region: 1988 198

Table PNF-11. Highest Earned Credential of Full-Time and Part-Time Nurse Faculty in LPN/LVN Programs, by State: 1988 199

Faculty Characteristics 200

Table PNF-12. Ethnic Background of Administrators in LPN/LVN Programs, by NLN Region: 1988 200

Table PNF-13. Ethnic Background of Full-Time Faculty in LPN/LVN Programs, by NLN Region: 1988 201

Table PNF-14. Ethnic Background of Part-Time Faculty in LPN/LVN Programs, by NLN Region: 1988 201

Table PNF-15. Number of Full-Time and Part-Time Male Faculty in LPN/LVN Programs, by NLN Region: 1988 202

Faculty Workload 203

Table PNF-16. Number of Hours per Week for a Typical Faculty Member in LPN/LVN Programs, by NLN Region: 1988 203

Table PNF-17. Number of Students per Week for a Typical Faculty Member in LPN/LVN Programs, by NLN Region: 1988 204

Salaries in LPN/LVN Education 205

Table PNF-18. Mean Salaries of LPN/LVN Administrators and Faculty, by Highest Credential and Type of Appointment: 1988 206

Table PNF-19. Mean Salaries of LPN/LVN Administrators and Faculty, by Position, Highest Credential, Type of Appointment, and NLN Region: 1988 206

Table PNF-20. Mean Salaries of LPN/LVN Administrators and Faculty, by Position, Highest Credential, Type of Appointment, and Type of Institutional Support: 1988 207

DEFINITION OF TERMS

Administrator of Nursing Program—Dean, chair, director, head of department.

Baccalaureate Programs

a) *Baccalaureate and higher degree programs:* All baccalaureate and graduate nursing programs.

b) *Baccalaureate and higher degree programs with generic students:* Programs that accept students without prior nursing education. Most of these programs also admit registered nurses who had previously studied at the associate degree or diploma level and are returning to baccalaureate nursing education. Master's and doctoral level programs are also included with these programs.

c) *Baccalaureate and higher degree programs without generic students (for RN students only):* Programs designed exclusively for registered nurses returning for baccalaureate education (BRN programs) and/or graduate education.

Ethnic Background—The categories used to denote ethnic background are:

a) American Indian or Alaskan Native
b) Asian or Pacific Islander
c) Black, Non-Hispanic
d) Hispanic
e) White, Non-Hispanic

Faculty Workload—The questionnaire asked respondents to indicate the average number of hours per week that faculty spend in the following categories:

a) *Teaching (classroom):* Student contact hours in classroom instruction.

b) *Teaching (clinical):* Clinical or laboratory instruction or supervision (including pre- and post-clinical conferences).

c) *Advisement and counseling*

d) *Preparation hours:* Time spent preparing for teaching.

e) *Committee responsibility*

Full-Time Nurse Faculty—Individuals contracted on a full-time basis to teach or supervise students.

Highest Earned Credential—The highest earned degree or diploma held by a faculty member.

Non-Nurse Faculty—Individuals who are not registered nurses and are contracted to teach students as a part of the nursing faculty.

Part-Time Nurse Faculty—Individuals employed less than the required hours for full-time faculty employment.

Statistical Significance—Indicates that using such statistical tests as analysis of variance (ANOVA) and chi-square, there is at least 95 percent confidence that the differences between groups is not random (i.e., significant at the 0.05 level).

Unfilled Positions—Full-time or full-time equivalent budgeted positions not filled as of January 1988.

JURISDICTIONS INCLUDED IN THE NLN REGIONS

North Atlantic

- Connecticut
- Delaware
- District of Columbia
- Maine
- Massachusetts
- New Hampshire
- New Jersey
- New York
- Pennsylvania
- Rhode Island
- Vermont

Midwestern

- Illinois
- Indiana
- Iowa
- Kansas
- Michigan
- Minnesota
- Missouri
- Nebraska
- North Dakota
- Ohio
- South Dakota
- Wisconsin

Southern

- Alabama
- Arkansas
- Florida
- Georgia
- Kentucky
- Louisiana
- Maryland
- Mississippi
- North Carolina
- Oklahoma
- South Carolina
- Tennessee
- Texas
- Virginia
- West Virginia

Western

- Alaska
- Arizona
- California
- Colorado
- Hawaii
- Idaho
- Montana
- Nevada
- New Mexico
- Oregon
- Utah
- Washington
- Wyoming

Note: American Samoa, Guam, Puerto Rico and the Virgin Islands are not included in aggregate data, but are listed separately on some tables with state data.

TIME PERIODS USED IN STATISTICAL DATA

Academic Year—The academic year is defined as September 1 through August 31 for the academic years 1961-62 through 1969-70, and as August 1 through July 31 for subsequent years.

Admissions—Admissions are calculated on the basis of the academic year, as defined above.

Graduations—Graduations are calculated on the basis of the academic year, as defined above.

Enrollments—Enrollments are calculated as of October 15 (the fall term) of each year.

Nursing Programs—The number of nursing programs is determined by identifying continuing, new, and discontinued programs between October 16 of the preceding year and October 15 of the year shown in the table.

NLN Accreditation Status—The NLN accreditation status of nursing programs is determined as of January 1 of the calendar year immediately following the end of the last academic year. For example, for the 1986-87 academic year, NLN accreditation status would be stated as of January 1988.

RN STUDENTS

SUMMARY AND RESULTS OF NURSING STUDENT CENSUS—1988

This research module presents the results of the NLN's 1987 annual survey of state-approved schools of registered nursing and higher degree programs. These data cover the academic year August 1986 through July 1987 and, except where otherwise indicated, are based on 100 percent response rate from all nursing programs.

Basic RN Education

The total number of basic RN programs dropped to 1,465 in 1987. The 789 associate degree programs comprise over half the basic RN programs, the 467 generic baccalaureate programs represent 32 percent of the total, and the 209 diploma programs 14 percent. An additional one hundred fifty-six baccalaureate programs are designed specifically for the returning RN.

The majority of all basic RN programs are publicly funded (66%). The South has the greatest number of RN programs (481), followed by the Midwest (424), the North Atlantic (355), and the West (205).

Ninety-nine percent of diploma programs and over 87 percent of baccalaureate programs have NLN accreditation, whereas 61 percent of associate degree programs have NLN accreditation.

Admissions

Annual admissions—the number of first-time nursing students admitted between July 1986 and August 1987—plummeted 10 percent to 90,693. This is the lowest annual admissions figure since the early 70s. All types of programs reported decreases in annual admissions: diploma programs plunged 15 percent, baccalaureate, 18 percent, associate degree, 4 percent.

Fall admissions—the number of first-time students admitted from August through December 1987—fell for the fourth year in a row to 68,745. Decreases in fall admissions were reported by both diploma and baccalaureate programs suggesting that enrollment for those program types will continue to drop in the next few years. Associate degree admissions seem to have stabilized.

Enrollments

The number of enrollments as of October 15, 1987 fell to 182,947. This year's 5.6 percent decrease is an improvement over the 11 percent decrease last year. The most dramatic losses were reported by diploma programs (−16%); baccalaureate programs reported a 10 percent decline. Associate degree programs reported a 1 percent increase since 1986. These figures will result in smaller numbers of graduates from basic RN programs for the next few years.

Graduations

The recent declines in admissions and enrollment have now affected graduations. In 1986-87, 70,561 students graduated from RN programs. This represents a dramatic drop of 8.4 percent since 1985-86. Associate degree programs reported a dramatic 6.8 percent decline in the number of graduates and diploma programs registered a 21.4 percent drop in theirs. Baccalaureate programs reported their first year of decline (5.6 percent) since 1983-84.

Returning RNs in BSN Programs

The number of RNs returning for baccalaureate degrees stabilized in 1987, with 46,375 RNs enrolled in BSN programs. RNs enrolled in generic baccalaureate programs registered at 26,503 and an additional 19,872 RNs were enrolled in baccalaureate programs specifically designed for them (BSRN). The enrollments in BSRN programs fell about 6 percent since 1986 whereas the number of RNs in generic programs grew 5 percent during the same time.

The number of RNs graduating from baccalaureate programs grew over 3 percent. The number of graduates of BSRN programs fell to 4,123. The number of RNs to graduate from generic baccalaureate programs grew to 6,591. Fifty-eight percent of the RN graduates from baccalaureate programs previously held associate degrees, 42 percent had diplomas.

Men and Minority Students in Basic Nursing

The number of men admitted to basic RN programs stood at 5,302 or 7.2 percent of total admissions in 1986-87. This represents an increase since last year. The percentage of Hispanic, Asian, and American Indian admissions remained almost unchanged since 1984-85. The percentage of blacks, however, grew to almost 11 percent since last year.

Doctoral Programs

The number of doctoral nursing programs grew to 45 in 1987 and enrollments increased 9 percent to a record 2,133. The number of graduates from doctoral programs grew to 257—a 3.5 percent increase since 1985.

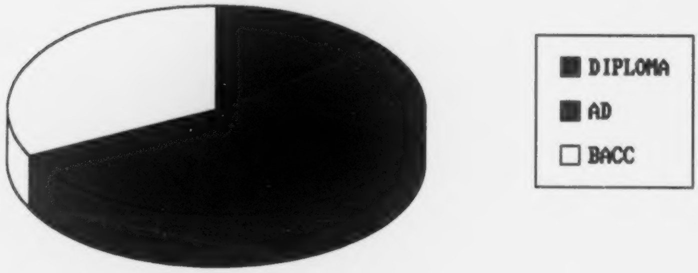
Master's Programs

The total number of master's programs grew to 194 in 1987. Enrollments in master's programs rose to 21,195 in 1987—a 6.2 percent increase since 1986. The number of graduates from master's programs grew to 6,029—almost 15 percent since the previous year. The largest number of master's students are preparing for advanced clinical practice. Smaller groups majored in teaching or administration.

Despite small decreases, medical-surgical nursing continues to attract the largest numbers of master's students in clinical practice and teaching. Maternal-child follows as the second most popular major. Smaller groups are studying psychiatric/mental health or community health.

Basic Nursing Education

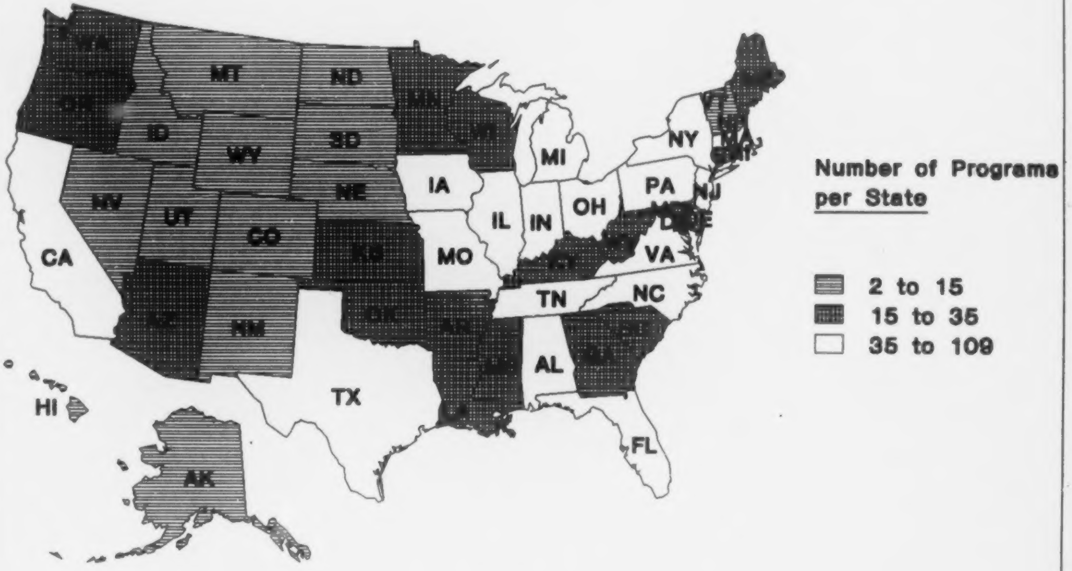
Basic R.N. Programs in the U.S.



Source: NLN Division of Research, 1988

Basic RN Programs in the United States

October, 1987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AK
Number of Programs per State
▤ 2 to 15
▦ 15 to 35
☐ 35 to 109

Source: NLN Division of Research, 1988

BASIC RN EDUCATION

Basic RN Programs (Table 1)

- In 1987 the total number of basic RN programs in the United States declined for the third year in a row. The current 1,465 programs represent a 0.3 percent decrease over the previous year.

- The number of basic baccalaureate programs continues to increase and now stands at 467—a 2.6 percent increase since 1986.

- The number of AD programs has increased 1.7 percent to 789 whereas the number of diploma programs decreased by over 12 percent.

- Associate degree programs constitute over half the basic nursing programs—over 53 percent of the total. Baccalaureate programs represent 32 percent of all RN programs and diploma programs represent about 14.3 percent of the total.

- In addition to the 467 basic baccalaureate programs, there were 156 baccalaureate programs exclusively designed for RNs (see Table 7).

- **TEN-YEAR TREND:** The total number of basic RN programs grew 7.9 percent over the past decade. Basic baccalaureate programs increased their numbers by 119, and the number of associate degree programs increased by 123. Meanwhile, 135 diploma programs have closed.

- **FIVE-YEAR TREND:** Basic baccalaureate programs have increased by 46 in the past five years. Associate Degree programs added an additional 25 programs to their ranks whereas 72 diploma programs have closed.

Table 1

BASIC RN PROGRAMS AND PERCENTAGE CHANGE FROM PREVIOUS YEAR, BY TYPE OF PROGRAM: 1968 TO 1987[1]

YEAR	NUMBER OF SCHOOLS	ALL BASIC RN PROGRAMS		BACCALAUREATE PROGRAMS		ASSOCIATE DEGREE PROGRAMS		DIPLOMA PROGRAMS	
		Number of Programs	Percent Change	Number of Programs	Percent Change	Number of Programs	Percent Change	Number of Programs	Percent Change
1968	1,272	1,278	+1.9	233	+6.4	324	+17.4	721	−5.0
1969	1,313	1,324	+3.6	252	+8.2	384	+18.5	688	−4.6
1970	1,330	1,340	+1.2	267	+6.0	437	+13.8	636	−7.6
1971	1,338	1,349	+0.7	282	+5.6	484	+10.8	583	−8.3
1972	1,350	1,362	+1.0	290	+2.8	532	+9.9	540	−7.4
1973	1,348	1,360	−0.1	302	+4.1	565	+6.2	493	−8.7
1974	1,347	1,358	−0.1	310	+2.6	588	+4.1	460	−6.7
1975	1,349	1,362	+0.3	326	+5.2	608	+3.4	428	−7.0
1976	1,337	1,358	−0.3	336	+3.1	632	+3.9	390	−8.9
1977	1,339	1,356	−0.1	344	+2.4	645	+2.1	367	−5.9
1978	1,340	1,358	+0.1	348	+1.2	666	+3.3	344	−6.3
1979	1,354	1,374	+1.2	363	+4.3	678	+1.8	333	−3.2
1980	1,360	1,385	+0.8	377	+3.9	697	+2.8	311	−6.6
1981	1,377	1,401	+1.2	383	+1.6	715	+2.6	303	−2.6
1982	1,406	1,432	+2.2	402	+5.0	742	+3.8	288	−5.0
1983	1,432	1,466	+2.4	421	+4.7	764	+3.0	281	−2.4
1984	1,445	1,477	+0.8	427	+1.4	777	+1.7	273	−2.8
1985	1,434	1,473	−0.2	441	+3.3	776	−0.1	256	−6.2
1986	1,426	1,469	−0.3	455	+3.2	776	0.0	238	−7.0
1987	1,406	1,465	−0.3	467	+2.6	789	+1.7	209	−12.2

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

RN Programs, by Source of Funding (Table 2)

- Over sixty-six percent (970) of all basic RN programs were publicly financed, while 33.7 percent (495) were privately financed. This proportion has not changed significantly over the past few years.
- Among baccalaureate programs, the number of privately and publicly supported programs is about equal.
- A majority (88%) of associate degree programs were publicly funded, while 12 percent were privately supported. Conversely, the majority of diploma programs were privately funded (82%), whereas 18 percent were publicly funded.

Table 2
PUBLIC AND PRIVATE BASIC RN PROGRAMS, BY TYPE OF PROGRAM: 1978 TO 1987[1]

PUBLIC AND PRIVATE NURSING PROGRAMS	NUMBER OF PROGRAMS									
	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
All Programs	**1,358**	**1,374**	**1,385**	**1,401**	**1,432**	**1,466**	**1,477**	**1,473**	**1,469**	**1,465**
Public	830	840	861	870	902	916	935	942	950	970
Private	528	534	524	531	530	550	542	531	519	495
Baccalaureate	348	363	377	383	402	421	427	441	455	467
Public	186	190	198	196	203	210	213	217	227	235
Private	162	173	179	187	199	211	214	224	228	232
Associate Degree	666	678	697	715	742	764	777	776	776	789
Public	599	609	624	638	662	669	684	688	688	698
Private	67	69	73	77	80	95	93	88	88	91
Diploma	344	333	311	303	288	281	273	256	238	209
Public	45	41	39	36	37	37	38	37	35	37
Private	299	292	272	267	251	244	235	219	203	172

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[1] Excludes American Samoa, Guam, Puerto Rico and the Virgin Islands.

RN Programs, by Region and State (Tables 3-6)

- The South reported the largest proportion of basic RN programs with 481 programs—almost 33 percent of the total. The Midwest reported 28.9 percent of all programs, the North Atlantic reported 24.2 percent, and the West 14 percent of the total (see Table 3). This pattern has remained fairly stable over the past few years.

- Among baccalaureate programs, the regional breakdown reveals 33.8 percent of the programs in the South, 30.8 percent in the Midwest, 23.6 percent in the North Atlantic, and 11.8 percent in the West (see Table 4).

- A slightly different picture emerges in the regional breakdown of associate degree programs: 36 percent are in the South, 26.5 percent are in the Midwest, 18.9 percent are in the West, and 18.6 percent are in the North Atlantic (see Table 5).

- The regional breakdown among diploma programs shows the North Atlantic leading, with 46.9 percent of the nation's diploma programs. The Midwest follows, with 34 percent of these programs. The South has 18.7 percent and the West only .5 percent of diploma programs (see Table 6).

Percent of Program Type by Region

	Total	North Atlantic	Midwest	South	West
Baccalaureate	100.0%	23.6%	30.8%	33.8%	11.8%
Associate	100.0%	18.6%	26.5%	36.0%	18.9%
Diploma	100.0%	46.9%	34.0%	18.7%	0.5%
All programs	100.0%	24.2%	28.9%	32.8%	14.0%

- A comparison of the regional breakdowns by type of programs reveals that although associate degree programs constitute the largest proportion of nursing programs in all regions, the percentages range from 40 percent of all the North Atlantic programs to almost 73 percent of the Western programs (see Tables 3-6).

Region	Baccalaureate	Associate Degree	Diploma
North Atlantic	31.0%	41.4%	27.6%
Midwest	34.0%	49.3%	16.7%
South	32.8%	59.0%	8.1%
West	26.8%	72.7%	0.5%

Table 3

ALL BASIC RN PROGRAMS, BY NLN REGION AND STATE: 1978 TO 1987[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS									
	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
United States	**1,358**	**1,374**	**1,385**	**1,401**	**1,432**	**1,466**	**1,477**	**1,473**	**1,469**	**1,465**
North Atlantic	359	351	344	342	341	348	357	350	359	355
Midwest	393	404	409	417	426	431	431	433	429	424
South	418	431	440	449	465	480	484	485	478	481
West	188	188	192	193	200	207	205	205	203	205
Alabama	31	34	34	35	37	37	37	36	36	35
Alaska	2	2	2	2	2	2	2	2	2	2
Arizona	14	14	16	16	18	17	16	16	15	15
Arkansas	19	19	19	20	20	20	20	20	20	21
California	84	84	87	88	90	94	93	92	90	89
Colorado	12	12	12	12	12	12	12	14	13	12
Connecticut	19	19	19	18	18	18	18	18	18	18
Delaware	7	7	7	7	7	7	7	6	6	6
District of Columbia	7	7	7	7	6	6	6	6	6	6
Florida	31	33	34	34	35	39	40	39	40	40
Georgia	33	33	35	33	32	34	34	34	34	33
Hawaii	5	5	5	5	5	5	6	6	6	6
Idaho	6	6	6	6	6	6	6	6	6	7
Illinois	80	82	80	78	79	80	78	76	77	72
Indiana	30	31	30	29	30	31	37	37	36	40
Iowa	33	35	36	38	39	39	39	39	39	36
Kansas	24	26	27	29	31	31	30	30	30	32
Kentucky	28	27	26	26	27	29	28	28	28	27
Louisiana	16	16	16	16	17	20	22	22	22	22
Maine	9	9	9	9	10	12	12	10	14	15
Maryland	23	22	22	24	24	25	25	25	24	24
Massachusetts	52	52	51	48	48	48	48	47	46	48
Michigan	46	45	45	49	50	53	51	50	50	49
Minnesota	23	24	25	25	26	25	25	25	25	23
Mississippi	22	22	23	23	23	22	22	22	21	21
Missouri	35	35	37	38	38	39	39	41	41	42
Montana	4	4	4	4	4	4	4	4	6	4
Nebraska	12	12	11	11	11	11	11	14	13	13
Nevada	4	4	4	4	5	5	5	5	5	7
New Hampshire	8	8	7	8	11	10	11	11	10	10
New Jersey	41	41	40	38	38	39	39	39	38	38
New Mexico	10	10	11	11	11	11	11	12	13	13
New York	108	103	98	100	98	99	106	105	110	108
North Carolina	46	48	50	51	55	57	57	57	56	57
North Dakota	9	9	9	9	9	9	9	9	9	8
Ohio	68	71	72	71	71	72	71	70	69	70
Oklahoma	18	21	22	25	26	26	27	27	27	27
Oregon	16	16	16	16	16	19	18	17	17	17
Pennsylvania	97	94	95	96	95	97	98	98	98	94
Rhode Island	7	7	7	7	7	7	7	7	7	7
South Carolina	14	15	15	17	19	18	19	20	19	20
South Dakota	8	8	8	9	9	9	9	9	8	9
Tennessee	28	29	33	32	32	33	33	33	35	35
Texas	54	56	56	58	64	65	64	65	64	64
Utah	5	5	5	5	5	5	4	4	4	4
Vermont	4	4	4	4	5	5	5	5	5	5
Virginia	37	38	38	38	37	37	37	37	35	35
Washington	23	23	21	21	22	23	23	22	23	23
West Virginia	17	17	17	17	17	18	18	18	18	20
Wisconsin	26	27	29	31	31	32	33	33	32	30
Wyoming	3	3	3	3	4	5	5	5	5	6
American Samoa	0	0	0	1	1	1	1	1	1	1
Guam	1	1	1	1	1	1	1	1	1	1
Puerto Rico	14	13	16	18	19	19	19	20	20	20
Virgin Islands	1	1	1	1	2	2	2	2	2	2

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 4

BACCALAUREATE NURSING PROGRAMS, BY NLN REGION AND STATE: 1978 TO 1987[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS									
	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
United States	**348**	**363**	**377**	**383**	**402**	**421**	**427**	**441**	**455**	**467**
North Atlantic	95	95	96	101	103	105	107	107	109	110
Midwest	97	105	110	111	117	121	124	131	139	144
South	113	120	128	129	137	147	147	151	154	158
West	43	43	43	42	45	48	49	52	53	55
Alabama	10	12	12	12	13	13	13	13	13	13
Alaska	1	1	1	1	1	1	1	1	1	1
Arizona	2	2	2	2	4	4	4	4	4	4
Arkansas	7	7	7	7	7	7	7	7	7	7
California	19	19	19	18	19	20	20	21	21	21
Colorado	3	3	3	3	3	3	3	5	6	6
Connecticut	7	7	7	7	7	7	7	7	7	7
Delaware	2	2	2	2	2	2	2	2	2	2
District of Columbia	5	5	5	5	5	5	5	5	5	5
Florida	8	9	10	10	12	13	12	12	13	13
Georgia	7	8	11	9	10	13	13	13	13	12
Hawaii	1	1	1	1	1	1	2	2	2	2
Idaho	1	1	1	1	1	1	1	1	1	2
Illinois	15	19	19	20	21	22	22	22	24	24
Indiana	9	9	10	9	10	11	13	13	13	17
Iowa	8	8	9	10	10	10	10	10	11	11
Kansas	7	8	9	9	9	9	9	10	10	11
Kentucky	6	5	5	5	6	7	7	8	9	9
Louisiana	7	7	7	7	8	10	12	12	12	12
Maine	2	2	2	2	2	3	3	3	3	5
Maryland	6	5	5	5	5	6	6	6	6	6
Massachusetts	11	13	13	13	14	14	14	14	14	15
Michigan	12	12	12	12	13	13	13	13	14	14
Minnesota	9	9	9	9	10	10	10	10	11	11
Mississippi	6	7	7	7	7	7	7	7	7	7
Missouri	7	7	8	8	9	9	9	11	11	11
Montana	2	2	2	2	2	2	2	2	2	2
Nebraska	4	4	4	4	4	4	4	7	7	7
Nevada	1	1	1	1	1	1	1	1	1	2
New Hampshire	2	2	2	3	3	3	3	3	3	3
New Jersey	7	7	7	7	7	7	7	7	7	7
New Mexico	1	1	1	1	1	1	1	1	1	1
New York	32	30	30	31	31	31	32	32	33	32
North Carolina	11	11	11	12	12	12	11	12	12	12
North Dakota	4	4	4	4	4	4	4	4	4	4
Ohio	12	14	14	14	14	15	15	15	17	18
Oklahoma	7	8	9	9	10	11	11	11	11	11
Oregon	2	2	2	2	2	4	4	4	4	4
Pennsylvania	23	23	24	27	28	29	30	30	30	30
Rhode Island	3	3	3	3	3	3	3	3	3	3
South Carolina	3	4	4	4	4	4	4	6	6	6
South Dakota	3	3	3	3	3	3	3	3	3	3
Tennessee	6	6	9	9	9	9	9	9	11	12
Texas	17	18	18	20	21	21	21	21	20	20
Utah	3	3	3	3	3	3	3	3	3	3
Vermont	1	1	1	1	1	1	1	1	1	1
Virginia	7	8	9	9	9	9	9	9	9	10
Washington	6	6	6	6	6	6	6	6	6	6
West Virginia	4	4	4	4	4	5	5	5	6	8
Wisconsin	8	9	9	9	10	11	12	13	14	13
Wyoming	1	1	1	1	1	1	1	1	1	1
American Samoa	0	0	0	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0	0	0	0
Puerto Rico	5	5	8	10	11	11	11	12	12	12
Virgin Islands	0	0	0	0	1	1	1	1	1	1

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 5

ASSOCIATE DEGREE NURSING PROGRAMS, BY NLN REGION AND STATE: 1978 TO 1987[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS									
	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
United States	**666**	**678**	**697**	**715**	**742**	**764**	**777**	**776**	**776**	**789**
North Atlantic	119	120	121	119	124	129	136	137	144	147
Midwest	167	172	180	191	199	203	204	205	203	209
South	244	250	254	261	271	279	286	285	281	284
West	136	136	142	144	148	153	151	149	148	149
Alabama	17	18	18	19	20	20	20	20	20	20
Alaska	1	1	1	1	1	1	1	1	1	1
Arizona	12	12	14	14	14	13	12	12	11	11
Arkansas	11	11	11	11	11	11	11	11	11	12
California	61	61	64	66	67	71	71	69	68	67
Colorado	7	7	7	7	7	7	7	7	6	6
Connecticut	7	7	7	6	6	6	6	6	6	6
Delaware	3	3	3	3	3	3	3	3	3	3
District of Columbia	1	1	1	1	1	1	1	1	1	1
Florida	22	23	23	23	22	25	27	26	26	26
Georgia	21	20	20	20	19	19	19	19	19	19
Hawaii	4	4	4	4	4	4	4	4	4	4
Idaho	5	5	5	5	5	5	5	5	5	5
Illinois	34	33	33	33	34	34	34	34	34	34
Indiana	14	15	14	14	14	14	18	18	17	17
Iowa	16	18	18	19	20	20	20	20	20	20
Kansas	11	12	14	16	19	19	18	17	17	19
Kentucky	20	20	20	20	20	21	21	20	19	18
Louisiana	6	6	6	6	6	6	6	6	6	6
Maine	3	3	3	3	4	5	5	5	9	9
Maryland	13	13	13	14	14	14	14	14	14	14
Massachusetts	19	20	20	18	19	19	19	19	19	20
Michigan	24	24	25	29	30	33	32	32	32	32
Minnesota	10	11	12	12	12	12	12	12	12	12
Mississippi	14	13	14	14	14	14	14	14	14	14
Missouri	16	16	17	19	19	20	20	20	20	22
Montana	2	2	2	2	2	2	2	2	2	2
Nebraska	2	2	2	2	2	2	2	2	1	1
Nevada	3	3	3	3	4	4	4	4	4	5
New Hampshire	1	1	1	1	4	5	6	6	6	6
New Jersey	13	13	13	13	13	14	14	14	13	14
New Mexico	9	9	10	10	10	10	10	11	12	12
New York	48	48	46	48	47	48	54	55	59	60
North Carolina	28	30	32	32	36	38	40	40	39	41
North Dakota	2	2	2	2	2	2	2	2	2	2
Ohio	25	26	28	27	28	28	28	29	29	30
Oklahoma	10	12	12	15	15	15	16	16	16	16
Oregon	13	13	13	13	13	14	13	13	13	13
Pennsylvania	19	19	22	21	21	22	22	22	22	22
Rhode Island	2	2	2	2	2	2	2	2	2	2
South Carolina	10	10	10	12	14	13	14	13	12	13
South Dakota	3	3	3	4	4	4	4	4	4	5
Tennessee	15	16	17	16	16	17	17	17	17	17
Texas	31	32	32	33	38	40	40	42	42	42
Utah	2	2	2	2	2	2	1	1	1	1
Vermont	3	3	3	3	4	4	4	4	4	4
Virginia	15	15	15	15	15	15	15	16	16	16
Washington	15	15	15	15	16	17	17	16	17	17
West Virginia	11	11	11	11	11	11	11	11	10	10
Wisconsin	10	10	12	14	15	15	15	15	15	15
Wyoming	2	2	2	2	3	4	4	4	4	5
American Samoa	0	0	0	1	1	1	1	1	1	1
Guam	1	1	1	1	1	1	1	1	1	1
Puerto Rico	9	8	8	8	8	8	8	8	8	8
Virgin Islands	1	1	1	1	1	1	1	1	1	1

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 6

DIPLOMA NURSING PROGRAMS, BY NLN REGION AND STATE: 1978 TO 1987[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS									
	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
United States	**344**	**333**	**311**	**303**	**288**	**281**	**273**	**256**	**238**	**209**
North Atlantic	145	136	127	122	114	114	114	106	106	98
Midwest	129	127	119	115	110	107	103	97	87	71
South	61	61	58	59	57	54	51	49	43	39
West	9	9	7	7	7	6	5	4	2	1
Alabama	4	4	4	4	4	4	4	3	3	2
Alaska	0	0	0	0	0	0	0	0	0	0
Arizona	0	0	0	0	0	0	0	0	0	0
Arkansas	1	1	1	2	2	2	2	2	2	2
California	4	4	4	4	4	3	2	2	1	1
Colorado	2	2	2	2	2	2	2	2	1	0
Connecticut	5	5	5	5	5	5	5	5	5	5
Delaware	2	2	2	2	2	2	2	1	1	1
District of Columbia	1	1	1	1	0	0	0	0	0	0
Florida	1	1	1	1	1	1	1	1	1	1
Georgia	5	5	4	4	3	2	2	2	2	2
Hawaii	0	0	0	0	0	0	0	0	0	0
Idaho	0	0	0	0	0	0	0	0	0	0
Illinois	31	30	28	25	24	24	22	20	19	14
Indiana	7	7	6	6	6	6	6	6	6	6
Iowa	9	9	9	9	9	9	9	9	8	5
Kansas	6	6	4	4	3	3	3	3	3	2
Kentucky	2	2	1	1	1	1	0	0	0	0
Louisiana	3	3	3	3	3	4	4	4	4	4
Maine	4	4	4	4	4	4	4	2	2	1
Maryland	4	4	4	5	5	5	5	5	4	4
Massachusetts	22	19	18	17	15	15	15	14	13	13
Michigan	10	9	8	8	7	7	6	5	4	3
Minnesota	4	4	4	4	4	3	3	3	2	0
Mississippi	2	2	2	2	2	1	1	1	0	0
Missouri	12	12	12	11	10	10	10	10	10	9
Montana	0	0	0	0	0	0	0	0	0	0
Nebraska	6	6	5	5	5	5	5	5	5	5
Nevada	0	0	0	0	0	0	0	0	0	0
New Hampshire	5	5	4	4	4	2	2	2	1	1
New Jersey	21	21	20	18	18	18	18	18	18	17
New Mexico	0	0	0	0	0	0	0	0	0	0
New York	28	25	22	21	20	20	20	18	18	16
North Carolina	7	7	7	7	7	7	6	5	5	4
North Dakota	3	3	3	3	3	3	3	3	3	2
Ohio	31	31	30	30	29	29	28	26	23	22
Oklahoma	1	1	1	1	1	0	0	0	0	0
Oregon	1	1	1	1	1	1	1	0	0	0
Pennsylvania	55	52	49	48	46	46	46	46	46	42
Rhode Island	2	2	2	2	2	2	2	2	2	2
South Carolina	1	1	1	1	1	1	1	1	1	1
South Dakota	2	2	2	2	2	2	2	2	1	1
Tennessee	7	7	7	7	7	7	7	7	7	6
Texas	6	6	6	5	5	4	3	2	2	2
Utah	0	0	0	0	0	0	0	0	0	0
Vermont	0	0	0	0	0	0	0	0	0	0
Virginia	15	15	14	14	13	13	13	12	10	9
Washington	2	2	0	0	0	0	0	0	0	0
West Virginia	2	2	2	2	2	2	2	2	2	2
Wisconsin	8	8	8	8	6	6	6	5	3	2
Wyoming	0	0	0	0	0	0	0	0	0	0
American Samoa	0	0	0	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0	0	0	0
Puerto Rico	0	0	0	0	0	0	0	0	0	0
Virgin Islands	0	0	0	0	0	0	0	0	0	0

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Baccalaureate Nursing Programs: Accreditation Status (Table 7)

- The number of nursing programs offering the baccalaureate degree increased to 623 in 1987. Of these, 75 percent (467) admitted both basic (generic) and RN students, and 25 percent (156) admitted RNs only.
- Of the 623 total baccalaureate programs (both basic and RN programs), 81.5 percent were accredited by NLN. This represents an increase of over 2 percent since 1986.

Table 7

BACCALAUREATE NURSING PROGRAMS THAT ENROLL BASIC AND/OR RN STUDENTS, BY NLN ACCREDITATION STATUS: JANUARY 1988[1]

NLN ACCREDITATION STATUS	TOTAL NUMBER OF PROGRAMS	TYPE OF STUDENT ENROLLED	
		Both Basic and RN Students	RN Students Only
Total	**623**	**467**	**156**
Accredited	508	410	98
Non Accredited	115	57	58

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Basic Nursing Programs: Accreditation and State Data (Table 8)

- As of January 1988, 75 percent of all basic RN programs (1,099) were accredited by NLN.
- For each type of program, the percentage accredited by NLN is as follows:

Basic Baccalaureate	87.8%
Associate Degree	61.1%
Diploma	99.0%

- The percentage of NLN-accredited programs in each region breaks down as follows:

North Atlantic	86.2%
Midwest	74.3%
South	75.7%
West	55.6%

Table 8

BASIC RN PROGRAMS, BY TYPE OF PROGRAM, AND NLN ACCREDITATION STATUS: JANUARY 1988[1]

NLN REGION AND STATE	NUMBER OF SCHOOLS	NUMBER OF PROGRAMS											
		ALL BASIC RN PROGRAMS			BACCALAUREATE PROGRAMS			ASSOCIATE DEGREE PROGRAMS			DIPLOMA PROGRAMS		
		Total	Accredited	Not Accredited	Total	Accredited	Not Accredited	Total	Accredited	Not Accredited	Total	Accredited	Not Accredited
United States	**1,406**	**1,465**	**1,099**	**366**	**467**	**410**	**57**	**789**	**482**	**307**	**209**	**207**	**2**
North Atlantic	350	355	306	49	110	105	5	147	104	43	98	97	1
Midwest	398	424	315	109	144	120	24	209	124	85	71	71	0
South	453	481	364	117	158	138	20	284	188	96	39	38	1
West	205	205	114	91	55	47	8	149	66	83	1	1	0
Alabama	33	35	1	34	13	13	0	20	19	1	2	2	0
Alaska	2	2	2	0	1	1	0	1	1	0	0	0	0
Arizona	20	15	14	1	4	4	0	11	10	1	0	0	0
Arkansas	15	21	18	3	7	7	0	12	9	3	2	2	0
California	89	89	38	51	21	19	2	67	18	49	1	1	0
Colorado	11	12	6	6	6	4	2	6	2	4	0	0	0
Connecticut	17	18	18	0	7	7	0	6	6	0	5	5	0
Delaware	6	6	5	1	2	2	0	3	2	1	1	1	0
District of Columbia	5	6	6	0	5	5	0	1	1	0	0	0	0
Florida	40	40	22	18	13	10	3	26	11	15	1	1	0
Georgia	30	33	31	2	12	10	2	19	19	0	2	2	0
Hawaii	5	6	4	2	2	1	1	4	3	1	0	0	0
Idaho	6	7	7	0	2	2	0	5	5	0	0	0	0
Illinois	72	72	54	18	24	20	4	34	20	14	14	14	0
Indiana	34	40	31	9	17	10	7	17	15	2	6	6	0
Iowa	36	36	18	18	11	11	0	20	2	18	5	5	0
Kansas	20	32	27	5	11	9	2	19	16	3	2	2	0
Kentucky	27	27	18	9	9	8	1	18	10	8	0	0	0
Louisiana	19	22	18	4	12	9	3	6	5	1	4	4	0
Maine	15	15	8	7	5	3	2	9	4	5	1	1	0
Maryland	24	24	19	5	6	6	0	14	9	5	4	4	0
Massachusetts	48	48	45	3	15	15	0	20	17	3	13	13	0
Michigan	48	49	26	23	14	14	0	32	9	23	3	3	0
Minnesota	23	23	18	5	11	10	1	12	8	4	0	0	0
Mississippi	19	21	18	3	7	7	0	14	11	3	0	0	0
Missouri	39	42	27	15	11	8	3	22	10	12	9	9	0
Montana	4	4	2	2	2	2	0	2	0	2	0	0	0
Nebraska	11	13	11	2	7	5	2	1	1	0	5	5	0
Nevada	6	7	2	5	2	1	1	5	1	4	0	0	0
New Hampshire	10	10	5	5	3	3	0	6	1	5	1	1	0
New Jersey	38	38	37	1	7	7	0	14	13	1	17	17	0
New Mexico	13	13	5	8	1	1	0	12	4	8	0	0	0
New York	107	108	87	21	32	32	0	60	40	20	16	15	1
North Carolina	57	57	19	38	12	11	1	41	4	37	4	4	0
North Dakota	9	8	8	0	4	4	0	2	2	0	2	2	0
Ohio	68	70	64	6	18	17	1	30	25	5	22	22	0
Oklahoma	27	27	26	1	11	11	0	16	15	1	0	0	0
Oregon	17	17	9	8	4	2	2	13	7	6	0	0	0
Pennsylvania	93	94	84	10	30	27	3	22	15	7	42	42	0
Rhode Island	7	7	7	0	3	3	0	2	2	0	2	2	0
South Carolina	19	20	12	8	6	4	2	13	8	5	1	0	1
South Dakota	9	9	7	2	3	3	0	5	3	2	1	1	0
Tennessee	31	35	32	3	12	9	3	17	17	0	6	6	0
Texas	60	64	54	10	20	20	0	42	32	10	2	2	0
Utah	4	4	4	0	3	3	0	1	1	0	0	0	0
Vermont	4	5	4	1	1	1	0	4	3	1	0	0	0
Virginia	35	35	29	6	10	8	2	16	12	4	9	9	0
Washington	23	23	17	6	6	6	0	17	11	6	0	0	0
West Virginia	17	20	14	6	8	5	3	10	7	3	2	2	0
Wisconsin	29	30	24	2	13	9	4	15	13	2	2	2	0
Wyoming	6	6	4	6	1	1	0	5	3	2	0	0	0
American Samoa	1	1	0	1	0	0	0	1	0	1	0	0	0
Guam	1	1	0	1	0	0	0	1	0	1	0	0	0
Puerto Rico	7	20	11	9	12	6	6	8	5	3	0	0	0
Virgin Islands	1	2	2	0	1	1	0	1	1	0	0	0	0

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

TUITIONS

RN Programs: Tuitions (Tables 9-12)

- Tuition data are reported separately for public and private institutions since costs in publicly supported schools differ markedly from those in privately supported schools. Keep in mind the following breakdown of nursing programs by source of funding when analyzing tuition data:

Type of Program	Public	Private
Baccalaureate	50%	50%
Associate Degree	88	12
Diploma	18	82
Total	**66**	**34**

- In 1984, the NLN began reporting mean tuitions, rather than medians. The change to means will make the data more comparable to tuition data in other educational programs.

- The mean total of annual tuition in all publicly supported RN programs was $1,388 for the 1987-88 school year; in privately supported programs the figure was $4,738 (see Table 9).

- Eighty-four percent (1,233) of all basic RN programs responded to this section of the questionnaire. Broken down by program type, the response rate was 81 percent for diploma, 82 percent for associate degree programs and 90 percent for basic baccalaureate programs.

- The highest mean tuition was reported among private baccalaureate programs—$6,150 (see Table 10). The lowest tuition was found among publicly funded associate degree programs—$1,292 (see Table 11).

Table 9

MEAN[1] ANNUAL TUITIONS OF FULL-TIME STUDENTS IN PUBLIC OR PRIVATE BASIC RN PROGRAMS, BY NLN REGION AND STATE: 1987-88[2]

NLN REGION AND STATE	NUMBER OF PROGRAMS		ANNUAL TUITION	
	Public	Private	Public[3]	Private
United States	**811**	**422**	**$1,388**	**$4,738**
North Atlantic	147	152	1,944	4,805
Midwest	206	149	1,630	5,021
South	320	98	1,046	3,932
West	138	23	1,226	5,900
Alabama	25	6	993	3,469
Alaska	2	—	690	—
Arizona	11	—	883	—
Arkansas	15	3	848	1,831
California	49	11	1,892	6,044
Colorado	9	1	1,493	7,270
Connecticut	7	9	1,093	6,348
Delaware	4	1	2,797	5,600
District of Columbia	1	3	16,310	7,780
Florida	23	3	1,323	6,594
Georgia	26	4	976	5,348
Hawaii	3	1	595	6,500
Idaho	6	1	1,065	861
Illinois	32	28	919	5,105
Indiana	16	16	1,701	5,093
Iowa	16	13	1,923	4,835
Kansas	16	11	812	4,196
Kentucky	19	7	829	2,537
Louisiana	14	5	1,232	2,239
Maine	8	2	1,889	2,580
Maryland	17	5	1,120	4,693
Massachusetts	20	20	907	5,610
Michigan	34	7	2,884	5,408
Minnesota	13	8	1,843	7,071
Mississippi	18	2	1,019	3,148
Missouri	20	19	888	3,740
Montana	3	1	884	4,092
Nebraska	2	5	710	4,249
Nevada	5	—	877	—
New Hampshire	6	4	1,623	6,069
New Jersey	18	18	1,273	2,223
New Mexico	9	1	445	5,250
New York	50	37	1,180	5,559
North Carolina	40	7	577	3,219
North Dakota	2	2	1,305	4,910
Ohio	35	25	1,735	5,661
Oklahoma	16	6	3,000	4,020
Oregon	14	2	884	7,535
Pennsylvania	26	55	4,383	4,354
Rhode Island	4	2	1,135	3,240
South Carolina	16	1	1,441	2,760
South Dakota	3	5	1,028	4,493
Tennessee	19	13	992	3,773
Texas	39	5	452	4,326
Utah	3	1	1,435	5,250
Vermont	3	1	2,397	11,000
Virginia	17	15	1,550	5,090
Washington	17	4	756	6,229
West Virginia	9	7	680	5,899
Wisconsin	17	10	1,638	5,416
Wyoming	6	—	536	—
American Samoa	1	—	24	—
Guam	—	—	1,206	2,374
Puerto Rico	5	9	—	—
Virgin Islands	2	—	890	—

[1] The mean is the sum of the observations divided by the number of observations. These reported means of tuitions may be slightly higher than the medians reported in past years.

[2] National and regional tables include American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[3] For publicly supported programs, data on tuitions exclude students who are non-residents of the state and/or county where the school is located.

Table 10

MEAN[1] ANNUAL TUITIONS OF FULL-TIME STUDENTS IN PUBLIC OR PRIVATE BACCALAUREATE NURSING PROGRAMS, BY NLN REGION AND STATE: 1987-88[2]

NLN REGION AND STATE	NUMBER OF PROGRAMS		ANNUAL TUITION	
	Public	Private	Public[3]	Private
United States	**214**	**205**	**$1,517**	**$6,150**
North Atlantic	39	54	2,144	7,337
Midwest	49	83	1,840	5,832
South	98	49	1,205	5,389
West	28	19	1,170	6,132
Alabama	9	2	1,343	5,650
Alaska	3	—	1,117	—
Arizona	—	—	—	—
Arkansas	6	1	1,006	3,445
California	11	10	1,274	6,068
Colorado	—	—	—	—
Connecticut	5	7	4,293	8,598
Delaware	—	—	—	—
District of Columbia	—	—	—	—
Florida	17	5	1,053	6,746
Georgia	—	—	—	—
Hawaii	3	1	871	6,500
Idaho	—	—	—	—
Illinois	14	44	1,542	5,695
Indiana	—	—	—	—
Iowa	—	—	—	—
Kansas	—	—	—	—
Kentucky	12	7	1,209	2,741
Louisiana	—	—	—	—
Maine	3	—	3,471	—
Maryland	3	2	1,334	9,094
Massachusetts	7	7	1,114	8,786
Michigan	13	11	2,702	6,979
Minnesota	—	—	—	—
Mississippi	5	2	1,924	3,148
Missouri	4	5	1,209	4,309
Montana	1	1	1,219	4,092
Nebraska	2	3	710	5,104
Nevada	2	—	576	—
New Hampshire	5	4	2,017	7,284
New Jersey	—	—	—	—
New Mexico	1	—	576	—
New York	9	18	1,254	6,939
North Carolina	7	3	1,251	5,417
North Dakota	11	9	1,829	6,644
Ohio	—	—	—	—
Oklahoma	5	5	951	4,376
Oregon	2	2	1,772	7,535
Pennsylvania	7	18	2,260	6,693
Rhode Island	2	—	1,820	—
South Carolina	5	1	1,735	2,760
South Dakota	1	2	1,207	5,720
Tennessee	18	6	1,015	5,226
Texas	—	—	—	—
Utah	2	1	1,605	5,250
Vermont	1	—	3,118	—
Virginia	—	—	—	—
Washington	2	4	1,155	6,229
West Virginia	2	5	993	5,864
Wisconsin	4	9	1,464	5,404
Wyoming	1	—	778	—
American Samoa	—	—	—	—
Guam	—	—	—	—
Puerto Rico	3	6	549	2,846
Virgin Islands	6	4	1,635	13,320

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[1] The mean is the sum of the observations divided by the number of observations. These reported means of tuitions may be slightly higher than the medians reported in past years.

[2] National and regional tables include American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[3] For publicly supported programs, data on tuitions exclude students who are non-residents of the state and/or county where the school is located.

Table 11

MEAN[1] ANNUAL TUITIONS OF FULL-TIME STUDENTS IN PUBLIC OR PRIVATE ASSOCIATE DEGREE NURSING PROGRAMS, BY NLN REGION AND STATE: 1987-88[2]

NLN REGION AND STATE	NUMBER OF PROGRAMS		ANNUAL TUITION	
	Public	Private	Public[3]	Private
United States	**538**	**68**	**$1,292**	**$4,475**
North Atlantic	93	29	1,698	5,108
Midwest	150	19	1,529	4,747
South	186	16	978	3,441
West	109	4	1,241	4,795
Alabama	—	—	—	—
Alaska	11	—	706	—
Arizona	—	—	742	—
Arkansas	9	—	—	—
California	46	2	1,976	6,535
Colorado	—	—	—	—
Connecticut	5	2	724	6,960
Delaware	—	—	—	—
District of Columbia	—	—	—	—
Florida	31	1	1,182	5,600
Georgia	—	—	—	—
Hawaii	6	1	927	861
Idaho	—	—	—	—
Illinois	63	6	1,138	5,133
Indiana	—	—	—	—
Iowa	—	—	—	—
Kansas	—	—	—	—
Kentucky	20	3	924	2,244
Louisiana	—	—	—	—
Maine	5	2	940	2,580
Maryland	13	—	1,099	—
Massachusetts	12	4	696	5,434
Michigan	33	2	2,585	6,182
Minnesota	—	—	—	—
Mississippi	13	—	671	—
Missouri	16	5	808	4,412
Montana	2	—	716	—
Nebraska	—	1	—	3,886
Nevada	3	—	1,077	—
New Hampshire	17	2	1,065	4,688
New Jersey	—	—	—	—
New Mexico	8	1	428	5,250
New York	38	12	1,078	4,980
North Carolina	31	2	402	2,298
North Dakota	—	—	—	—
Ohio	23	2	1,545	3,595
Oklahoma	11	1	3,931	2,237
Oregon	12	—	736	—
Pennsylvania	12	6	6,431	4,529
Rhode Island	2	—	450	—
South Carolina	11	—	1,308	—
South Dakota	2	2	938	4,189
Tennessee	40	7	455	4,266
Texas	—	—	—	—
Utah	1	—	1,095	—
Vermont	2	1	2,037	11,000
Virginia	—	—	—	—
Washington	15	—	703	—
West Virginia	7	2	590	5,985
Wisconsin	13	1	1,691	5,520
Wyoming	5	—	488	—
American Samoa	—	—	—	—
Guam	—	—	—	—
Puerto Rico	2	3	2,191	1,430
Virgin Islands	13	2	1,409	4,407

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[1] The mean is the sum of the observations divided by the number of observations. These reported means of tuitions may be slightly higher than the medians reported in past years.

[2] National and regional tables include American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[3] For publicly supported programs, data on tuitions exclude students who are non-residents of the state and/or county where the school is located.

Table 12

MEAN[1] ANNUAL TUITIONS OF FULL-TIME STUDENTS IN PUBLIC OR PRIVATE DIPLOMA NURSING PROGRAMS, BY NLN REGION AND STATE: 1987-88[2]

NLN REGION AND STATE	NUMBER OF PROGRAMS		ANNUAL TUITION	
	Public	Private	Public[3]	Private
United States	**44**	**144**	**$2,315**	**$2,827**
North Atlantic	15	69	2,948	2,696
Midwest	7	47	2,342	3,700
South	21	28	890	1,546
West	1	—	1,200	—
Alabama	1	3	1,485	1,031
Alaska	—	—	—	—
Arizona	—	—	—	—
Arkansas	—	—	—	—
California	1	—	1,200	—
Colorado	—	—	—	—
Connecticut	2	4	5,033	2,991
Delaware	—	—	—	—
District of Columbia	—	—	—	—
Florida	1	1	1,256	1,845
Georgia	—	—	—	—
Hawaii	—	—	—	—
Idaho	—	—	—	—
Illinois	3	18	2,372	2,893
Indiana	—	—	—	—
Iowa	—	—	—	—
Kansas	—	—	—	—
Kentucky	—	—	—	—
Louisiana	2	5	375	1,661
Maine	—	—	—	—
Maryland	—	—	—	—
Massachusetts	1	9	2,000	3,219
Michigan	1	12	1,600	2,900
Minnesota	—	—	—	—
Mississippi	—	—	—	—
Missouri	—	—	—	—
Montana	—	—	—	—
Nebraska	—	—	—	—
Nevada	—	—	—	—
New Hampshire	5	23	2,238	2,035
New Jersey	—	—	—	—
New Mexico	—	—	—	—
New York	—	—	—	—
North Carolina	2	2	924	845
North Dakota	—	—	—	—
Ohio	3	16	2,559	5,273
Oklahoma	—	—	—	—
Oregon	—	—	—	—
Pennsylvania	7	33	2,994	2,979
Rhode Island	—	—	—	—
South Carolina	—	—	—	—
South Dakota	—	1	—	2,645
Tennessee	15	17	750	1,893
Texas	—	—	—	—
Utah	—	—	—	—
Vermont	—	—	—	—
Virginia	—	—	—	—
Washington	—	—	—	—
West Virginia	—	—	—	—
Wisconsin	—	—	—	—
Wyoming	—	—	—	—
American Samoa	—	—	—	—
Guam	—	—	—	—
Puerto Rico	—	—	—	—
Virgin Islands	—	—	—	—

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[1] The mean is the sum of the observations divided by the number of observations. These reported means of tuitions may be slightly higher than the medians reported in past years.

[2] National and regional tables exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[3] Data on tuitions exclude students who are non-residents of the state and/or county where the school is located.

ADMISSIONS

Fall Admissions, by Type of Financial Support (Table 13)

- Fall admissions—the number of first-time nursing students admitted between August and December 1987—dropped 2.6 percent over the previous year, continuing the downward trend begun in 1984.
- Overall, private institutions experienced a 1.9 percent increase in fall admissions since 1986, whereas public institutions reported an almost 14 percent decrease during the same time.
- While baccalaureate programs reported a large decline in fall admissions (15.9%), associate degree programs gained almost 4 percent and diploma programs gained 6.2 percent.
- **TEN-YEAR TREND:** Fall admissions fell a dramatic 23.7 percent between 1978 and 1987. Fall admissions to diploma programs fell by 59% over the past decade; associate degree programs reported about a 3 percent drop during the same time, while baccalaureate fall admissions fell by one-third (33%).

Table 13

FALL ADMISSIONS TO PUBLIC AND PRIVATE BASIC RN PROGRAMS, BY TYPE OF PROGRAM: 1978 TO 1987[1]

PUBLIC AND PRIVATE NURSING PROGRAMS	NUMBER OF FALL ADMISSIONS									
	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
All Programs	**90,105**	**88,351**	**90,377**	**91,722**	**94,680**	**94,539**	**91,085**	**83,026**	**70,581**	**68,745**
Public	58,187	58,281	59,454	59,477	62,930	62,609	61,880	57,018	50,417	51,362
Private	31,918	30,070	30,923	32,245	31,750	31,930	29,205	26,008	20,164	17,383
Baccalaureate	29,890	29,994	29,916	28,094	28,982	29,256	28,973	28,883	23,765	19,985
Public	17,941	18,262	18,096	16,541	17,819	17,098	17,315	16,239	13,356	12,806
Private	11,949	11,732	11,820	11,553	11,163	12,158	11,658	12,644	10,409	7,179
Associate Degree	43,005	42,676	44,384	46,855	48,626	49,848	48,855	44,966	40,166	41,695
Public	38,289	38,308	39,704	41,258	43,183	43,533	42,754	39,617	36,070	37,389
Private	4,716	4,368	4,680	5,597	5,443	6,315	5,601	5,349	4,096	4,306
Diploma	17,210	15,681	16,077	16,773	17,072	15,435	13,757	9,177	6,650	7,065
Public	1,957	1,711	1,654	1,678	1,928	1,978	1,811	1,162	991	1,167
Private	15,253	13,970	14,423	15,095	15,144	13,457	11,946	8,015	5,659	5,898

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[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands

Annual Admissions to Basic RN Programs (Tables 14-20)

- Annual admissions—the number of first-time nursing students admitted from July 1986 to August 1987—dropped to 90,693, a 10 percent decrease over the previous year (see Table 14).

- Baccalaureate programs registered an over 18 percent drop in annual admissions. Associate degree programs reported a 4.1 percent decrease and annual admissions to diploma programs declined 15.3 percent (see Table 14).

- The number of annual admissions to all basic RN programs dropped in all regions. The North Atlantic experienced the most severe drop (17.1%) over the previous year, the West reported an 8.1 percent decline; the Midwest, 7.9 percent; the South, 6.5 percent (see Table 16).

- A regional breakdown indicates that the South had 32.7 percent of the total admissions in 1986-87. The North Atlantic reported 25.4 percent of the total; the Midwest, 27.7 percent; and the West, 14.2 percent (see Table 16).

- Annual admissions to baccalaureate programs registered at 28,026 in 1986-87. All regions reported declines from an 11.2 percent drop in the West to a 31 percent decline in the North Atlantic (see Table 17).

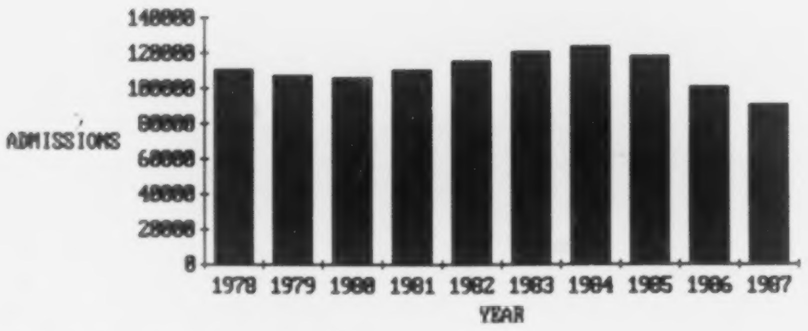
- All regions experienced decreases in annual admissions to associate degree programs. The North Atlantic was hardest hit reporting 9.2 percent decreases, and the West reported a loss of 6.4 percent of its annual admissions. The South and Midwest reported drops of 2 and .3 percent respectively (see Table 18).

- All regions reported significant drops in admissions to diploma programs (see Table 19).

- Of the 90,693 total admissions to all basic RN programs, 81 percent (73,100) were in programs accredited by NLN. A breakdown by program type reveals that 93 percent of the baccalaureate annual admissions and 99.6 percent of the annual admissions to diploma programs were in NLN-accredited programs. However, only 71 percent of associate degree admissions came from accredited programs (see Table 20).

- **TEN-YEAR TREND:** Overall annual admissions decreased 18.3 percent over the last decade. Baccalaureate admissions fell 25 percent, while diploma admissions plummetted 60 percent over the past 10 years. On the other hand, annual admissions to associate degree programs increased 2.5 percent over the same period of time.

Admissions to Basic RN Programs: 10-Year Trend



Source: **NLN Division of Research, 1988**

Table 14

ANNUAL ADMISSIONS TO BASIC RN PROGRAMS AND PERCENTAGE OF CHANGE FROM PREVIOUS YEAR, BY TYPE OF PROGRAM: 1967-68 TO 1986-87[1]

ACADEMIC YEAR	ALL BASIC RN PROGRAMS		BACCALAUREATE PROGRAMS		ASSOCIATE DEGREE PROGRAMS		DIPLOMA PROGRAMS	
	Number of Admissions	Percent Change	Number of Admissions	Percent Change	Number of Admissions	Percent Change	Number of Admissions	Percent Change
1967-68	60,673	+4.6	14,813	+5.7	14,577	+30.9	31,283	−4.8
1968-69	63,408	+4.5	15,901	+7.3	18,536	+27.2	28,971	−7.4
1969-70	74,598	+17.6	18,942	+19.1	25,142	+35.6	30,514	+5.3
1970-71	78,524	+5.3	20,299	+7.2	29,433	+17.1	28,792	−5.6
1971-72	93,344	+18.9	27,228	+34.1	36,454	+23.8	29,662	+3.0
1972-73	103,789	+11.2	30,348	+11.5	43,733	+20.0	29,708	+0.1
1973-74	107,344	+3.4	32,461	+7.0	47,940	+9.6	26,943	−9.3
1974-75	109,020	+1.6	34,956	+7.7	49,368	+3.0	24,696	−8.3
1975-76	112,174	+2.9	36,320	+3.9	52,232	+5.8	23,622	−4.3
1976-77	112,523	+0.3	36,670	+1.0	53,610	+2.6	22,243	−5.8
1977-78	110,950	−1.4	37,348	+1.8	52,991	−1.1	20,611	−7.3
1978-79	107,476	−3.2	35,611	−4.7	53,366	+0.7	18,499	−10.2
1979-80	105,952	−1.4	35,414	−0.5	53,633	+0.5	16,905	−8.6
1980-81	110,201	+4.0	35,808	+1.1	56,899	+6.1	17,494	+3.5
1981-82	115,279	+4.6	35,928	+0.3	60,423	+6.1	18,928	+8.1
1982-83	120,579	+4.6	37,264	+3.7	63,947	+5.8	19,368	+2.3
1983-84	123,824	+2.7	39,400	+5.7	66,576	+4.1	17,848	−7.8
1984-85	118,224	−4.5	39,573	+0.4	63,776	−4.2	14,875	−16.7
1985-86	100,791	−14.7	34,310	−13.3	56,635	−11.2	9,846	−33.0
1986-87	90,693	−10.0	28,026	−18.3	54,330	−4.1	8,337	−15.3

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 15

ANNUAL ADMISSIONS TO PUBLIC AND PRIVATE BASIC RN PROGRAMS, BY TYPE OF PROGRAM: 1977-78 TO 1986-87[1]

PUBLIC AND PRIVATE NURSING PROGRAMS	NUMBER OF ANNUAL ADMISSIONS									
	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
All Programs	**110,950**	**107,476**	**105,952**	**110,201**	**115,279**	**120,579**	**123,824**	**118,224**	**100,791**	**90,693**
Public	73,101	72,447	71,196	74,238	78,305	81,518	85,474	81,198	71,921	67,890
Private	37,849	35,029	34,756	35,923	36,974	39,061	38,350	37,026	28,870	22,803
Baccalaureate	37,348	35,611	35,414	35,808	35,928	37,264	39,400	39,573	34,310	28,026
Public	22,893	21,948	21,454	21,963	22,502	23,226	23,803	23,871	19,747	18,057
Private	14,455	13,663	13,960	13,845	13,426	14,038	15,597	15,702	14,563	9,969
Associate Degree	52,991	53,366	53,633	56,899	60,423	63,947	66,576	63,776	56,635	54,330
Public	47,644	48,178	47,593	50,260	53,280	55,473	59,209	55,150	50,549	48,249
Private	5,347	5,188	6,040	6,639	7,143	8,474	7,367	8,626	6,086	6,081
Diploma	20,611	18,499	16,905	17,494	18,928	19,368	17,848	14,875	9,846	8,337
Public	2,564	2,321	2,149	2,015	2,523	2,819	2,462	2,177	1,625	1,584
Private	18,047	16,178	14,756	15,479	16,405	16,549	15,386	12,698	8,221	6,753

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 16

ANNUAL ADMISSIONS TO ALL BASIC RN PROGRAMS, BY NLN REGION AND STATE: 1977-78 TO 1986-87[1]

NLN REGION AND STATE	NUMBER OF ADMISSIONS									
	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
United States	**110,950**	**107,476**	**105,941**	**110,201**	**115,279**	**120,579**	**123,824**	**118,224**	**100,791**	**90,693**
North Atlantic	31,263	30,004	29,149	29,185	29,530	31,537	31,964	31,738	27,818	23,069
Midwest	31,117	30,351	30,428	32,133	35,083	35,083	35,630	33,478	27,305	25,151
South	34,855	33,450	32,722	33,866	35,463	38,760	39,576	38,089	31,702	29,632
West	13,715	13,671	13,653	15,017	15,203	15,199	16,654	14,919	13,966	12,841
Alabama	2,690	2,737	2,393	2,744	2,754	3,297	3,139	3,074	2,158	2,149
Alaska	77	141	178	152	152	169	135	188	171	166
Arizona	1,059	1,093	1,185	1,266	1,159	1,401	1,518	1,213	1,024	962
Arkansas	1,282	1,006	1,143	1,291	1,425	1,375	1,312	1,143	937	983
California	6,508	6,471	6,626	7,596	7,363	7,263	7,921	7,568	7,013	6,098
Colorado	883	968	775	929	864	1,208	996	854	787	942
Connecticut	1,565	1,412	1,361	1,372	1,336	1,359	1,462	1,372	1,266	1,012
Delaware	533	493	479	508	523	597	541	416	413	339
District of Columbia	729	680	700	727	840	563	519	628	627	334
Florida	3,538	3,425	3,422	3,818	4,178	4,269	4,232	4,269	3,508	3,426
Georgia	2,285	2,359	1,935	1,991	2,206	2,358	2,448	2,953	2,060	1,805
Hawaii	210	219	243	244	219	288	240	262	372	183
Idaho	387	383	335	347	432	368	342	298	303	274
Illinois	5,840	5,838	5,705	5,882	6,355	6,393	6,710	5,881	5,255	4,422
Indiana	2,813	2,590	2,596	2,872	2,643	3,180	3,312	3,055	2,551	2,480
Iowa	2,099	1,994	2,087	2,054	2,290	2,454	2,281	2,206	1,625	1,661
Kansas	1,239	1,277	1,263	1,295	1,383	1,434	1,716	1,571	1,131	957
Kentucky	1,978	1,823	1,856	1,820	1,854	1,970	2,195	2,180	2,236	1,683
Louisiana	2,002	1,744	1,732	1,573	1,838	1,929	2,096	2,062	1,768	1,432
Maine	609	546	578	607	555	625	663	650	490	433
Maryland	1,990	1,849	1,781	1,960	2,022	2,266	2,243	2,313	1,788	1,483
Massachusetts	3,607	3,577	3,429	3,527	3,690	4,057	3,627	3,558	3,065	2,700
Michigan	4,336	3,980	3,959	4,137	4,255	4,214	4,525	4,820	3,893	3,872
Minnesota	2,234	2,196	2,205	2,326	2,343	2,340	2,222	1,779	1,343	1,431
Mississippi	1,448	1,398	1,453	1,518	1,610	1,794	1,905	1,825	1,524	1,503
Missouri	2,515	2,434	2,460	2,499	2,711	2,668	2,797	2,430	2,081	2,087
Montana	399	306	337	366	420	459	426	312	305	284
Nebraska	960	843	923	1,050	1,114	1,029	870	1,366	567	749
Nevada	193	205	211	242	263	249	281	251	204	199
New Hampshire	457	346	436	440	441	506	586	523	412	372
New Jersey	3,441	3,271	3,317	3,192	3,266	3,653	3,536	4,016	3,275	2,521
New Mexico	464	457	468	533	669	601	614	552	421	455
New York	12,512	12,247	11,674	11,251	11,044	11,899	12,438	12,601	11,845	9,401
North Carolina	2,660	2,762	3,004	2,965	2,962	3,179	3,471	3,007	2,796	2,920
North Dakota	433	625	519	650	678	603	548	609	327	225
Ohio	5,530	5,483	5,476	5,883	6,763	6,630	7,047	6,302	5,203	4,767
Oklahoma	1,253	1,116	1,237	1,337	1,317	1,390	1,385	1,182	1,232	1,244
Oregon	967	979	1,003	1,047	953	981	1,191	1,031	924	953
Pennsylvania	6,640	6,324	6,171	6,570	6,731	7,156	7,224	6,739	5,742	5,335
Rhode Island	861	823	739	726	831	822	1,063	962	522	440
South Carolina	1,140	1,184	1,013	1,006	1,356	1,391	1,472	1,587	1,231	1,031
South Dakota	646	665	573	636	716	720	718	628	361	629
Tennessee	2,623	2,512	2,557	2,984	3,220	3,069	2,974	3,099	2,341	2,179
Texas	5,977	5,784	5,631	5,121	4,998	5,977	6,192	5,514	5,053	4,758
Utah	518	507	454	435	698	439	652	447	473	345
Vermont	309	285	265	265	273	336	305	273	211	182
Virginia	2,683	2,541	2,481	2,546	2,515	2,901	2,878	2,588	2,024	2,035
Washington	1,914	1,806	1,701	1,734	1,886	1,587	2,158	1,730	1,751	1,769
West Virginia	1,169	1,080	1,084	1,192	1,208	1,559	1,634	1,293	1,046	1,001
Wisconsin	2,609	2,556	2,662	2,849	3,832	3,399	2,884	2,831	2,968	1,871
Wyoming	136	136	137	126	125	205	180	195	168	211
American Samoa	0	0	0	0	18	18	0	0	34	11
Guam	51	35	11	20	28	41	39	19	29	29
Puerto Rico	890	1,186	1,387	1,809	1,553	1,880	1,748	2,134	3,263	3,048
Virgin Islands	37	20	18	27	18	15	31	26	28	36

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 17

ANNUAL ADMISSIONS TO BACCALAUREATE NURSING PROGRAMS, BY NLN REGION AND STATE: 1977-78 TO 1986-87[1]

REGION AND STATE	NUMBER OF ADMISSIONS									
	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
United States	**37,348**	**36,611**	**36,414**	**35,808**	**35,928**	**37,264**	**39,400**	**39,573**	**34,310**	**28,026**
North Atlantic	11,269	10,767	10,670	10,244	10,050	10,273	10,347	10,987	9,491	6,545
Midwest	9,345	9,030	9,355	9,817	10,614	10,715	10,822	10,846	9,704	8,394
South	12,149	11,524	11,125	11,372	11,040	11,679	12,877	12,866	10,584	9,064
West	4,585	4,290	4,264	4,375	4,224	4,597	5,354	4,874	4,531	4,023
Alabama	1,429	1,390	1,140	1,356	1,348	1,318	1,437	1,367	861	976
Alaska	39	99	138	112	112	104	95	126	132	126
Arizona	437	450	506	504	423	695	719	455	314	279
Arkansas	356	307	396	458	451	430	292	313	258	289
California	1,864	1,675	1,665	1,754	1,621	1,756	2,111	2,142	2,083	1,746
Colorado	441	400	355	385	397	546	382	361	347	398
Connecticut	610	533	492	484	521	474	527	520	374	349
Delaware	246	231	223	250	268	295	262	209	171	117
District of Columbia	610	521	532	567	491	443	397	508	562	255
Florida	723	677	661	748	711	812	867	994	926	714
Georgia	358	664	382	466	624	589	753	925	725	503
Hawaii	64	84	90	78	65	144	73	115	147	119
Idaho	98	112	55	58	48	43	52	45	45	44
Illinois	1,293	1,342	1,419	1,470	1,732	1,703	1,775	1,603	1,694	1,354
Indiana	1,004	934	900	996	698	1,291	1,490	1,224	1,207	1,082
Iowa	633	537	558	528	635	579	569	596	451	394
Kansas	446	507	523	572	544	530	596	520	436	353
Kentucky	473	325	292	286	322	385	543	612	977	554
Louisiana	1,038	859	805	724	843	738	1,017	996	974	790
Maine	216	187	208	220	167	183	275	329	206	205
Maryland	569	554	503	537	500	627	640	772	612	466
Massachusetts	1,160	1,258	1,308	1,381	1,315	1,657	1,345	1,388	1,114	823
Michigan	1,348	1,256	1,236	1,309	1,176	1,161	1,287	1,301	1,100	1,177
Minnesota	763	720	754	685	624	677	639	549	503	437
Mississippi	504	411	476	469	520	562	631	638	407	362
Missouri	558	576	624	705	655	584	669	650	631	569
Montana	294	221	253	264	244	307	280	199	187	176
Nebraska	243	123	229	247	254	299	202	721	346	608
Nevada	62	58	50	48	61	58	67	61	42	43
New Hampshire	164	161	182	199	218	209	165	161	117	110
New Jersey	864	858	945	708	756	838	702	1,168	1,027	528
New Mexico	128	79	89	102	204	153	134	96	26	55
New York	4,525	4,340	4,090	3,586	3,441	3,392	3,434	3,627	3,669	2,339
North Carolina	893	885	1,090	1,028	814	788	968	779	587	837
North Dakota	154	274	213	340	327	328	227	331	179	162
Ohio	1,412	1,308	1,347	1,319	1,367	1,598	1,747	1,820	1,389	1,265
Oklahoma	491	346	487	555	462	521	560	428	455	372
Oregon	244	194	223	236	119	118	413	359	292	370
Pennsylvania	2,237	2,088	2,139	2,318	2,282	2,271	2,420	2,329	2,025	1,611
Rhode Island	537	487	456	430	492	405	719	646	203	152
South Carolina	401	450	352	354	448	338	592	778	469	282
South Dakota	266	310	274	276	299	280	329	255	143	140
Tennessee	734	761	787	1,064	1,112	881	801	1,081	629	576
Texas	2,720	2,565	2,554	2,253	1,891	2,310	2,261	2,029	1,698	1,517
Utah	145	139	104	99	203	68	254	201	212	170
Vermont	100	103	95	101	99	106	101	102	73	56
Virginia	1,063	951	957	836	766	1,029	985	856	662	587
Washington	705	713	668	689	684	534	729	641	601	419
West Virginia	260	249	243	238	228	351	530	299	344	239
Wisconsin	1,362	1,273	1,278	1,370	2,303	1,685	1,292	1,276	1,625	853
Wyoming	64	66	68	46	43	71	45	73	53	78
American Samoa	0	0	0	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0	0	0	0
Puerto Rico	316	476	621	967	825	1,069	1,067	1,587	2,466	2,335
Virgin Islands	0	0	0	0	0	1	6	10	10	18

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 18

ANNUAL ADMISSIONS TO ASSOCIATE DEGREE NURSING PROGRAMS, BY NLN REGION AND STATE: 1977-78 TO 1986-87[1]

NLN REGION AND STATE	NUMBER OF ANNUAL ADMISSIONS									
	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
United States	**52,991**	**53,366**	**53,633**	**56,899**	**60,423**	**63,947**	**66,576**	**63,776**	**56,635**	**54,330**
North Atlantic	12,635	12,728	12,559	12,736	12,965	14,128	14,875	14,889	14,089	12,800
Midwest	13,091	13,376	13,913	14,904	16,276	16,397	17,455	16,807	14,012	13,974
South	18,806	18,489	18,374	19,240	20,816	23,321	23,330	22,307	19,285	18,894
West	8,459	8,773	8,787	10,019	10,366	10,101	10,916	9,773	9,249	8,662
Alabama	1,089	1,192	1,085	1,227	1,230	1,793	1,535	1,584	1,265	1,139
Alaska	38	42	40	40	40	65	40	62	39	40
Arizona	622	643	679	762	736	706	799	776	710	683
Arkansas	819	601	644	677	792	759	811	661	576	543
California	4,266	4,395	4,552	5,411	5,313	5,229	5,535	5,196	4,744	4,196
Colorado	360	485	347	464	407	581	505	451	440	544
Connecticut	598	517	532	534	503	550	588	535	712	442
Delaware	171	184	173	174	175	203	216	187	224	205
District of Columbia	63	100	125	160	349	120	122	120	65	79
Florida	2,603	2,570	2,594	3,000	3,335	3,276	3,205	3,144	2,513	2,636
Georgia	1,474	1,396	1,301	1,359	1,384	1,568	1,493	1,890	1,233	1,215
Hawaii	146	135	153	166	154	144	167	147	225	64
Idaho	289	271	280	289	384	325	290	253	258	230
Illinois	2,779	2,875	2,927	3,085	3,149	3,285	3,586	3,142	2,847	2,723
Indiana	1,364	1,279	1,321	1,444	1,519	1,456	1,370	1,365	1,041	1,076
Iowa	848	890	1,032	1,025	1,053	1,248	1,125	1,246	968	1,006
Kansas	467	516	551	605	706	709	909	885	608	580
Kentucky	1,385	1,370	1,446	1,426	1,472	1,585	1,652	1,568	1,259	1,129
Louisiana	643	577	635	528	665	795	742	713	457	438
Maine	222	227	218	231	273	286	290	238	260	228
Maryland	1,206	1,084	1,091	1,183	1,244	1,346	1,306	1,226	1,077	899
Massachusetts	1,322	1,306	1,246	1,267	1,406	1,474	1,472	1,570	1,517	1,479
Michigan	2,164	2,166	2,195	2,253	[illegible]	2,537	2,919	3,155	2,489	2,451
Minnesota	1,183	1,210	1,188	1,339	1,455	1,412	1,364	1,133	840	994
Mississippi	868	965	918	989	1,054	1,202	1,235	1,187	1,117	1,141
Missouri	896	881	901	887	1,040	1,037	1,123	1,022	938	1,032
Montana	105	85	84	102	176	152	146	113	118	108
Nebraska	280	282	297	310	324	304	237	265	70	83
Nevada	131	147	161	194	202	191	214	190	162	156
New Hampshire	93	70	109	108	159	218	343	316	251	248
New Jersey	1,540	1,483	1,527	1,572	1,498	1,656	1,534	1,538	1,267	1,156
New Mexico	336	378	379	431	465	448	480	456	395	400
New York	6,441	6,740	6,490	6,506	6,365	7,242	7,395	8,036	7,521	6,592
North Carolina	1,451	1,561	1,629	1,676	1,826	2,082	2,171	1,960	2,042	1,969
North Dakota	128	125	137	144	134	133	155	156	89	63
Ohio	2,088	2,185	2,279	2,589	2,961	2,704	3,165	2,908	2,689	2,608
Oklahoma	655	707	727	751	824	869	825	754	777	872
Oregon	599	661	660	699	710	721	778	672	632	583
Pennsylvania	1,732	1,674	1,755	1,799	1,811	1,935	1,974	1,938	1,884	1,998
Rhode Island	244	245	214	221	252	250	237	240	250	247
South Carolina	705	700	641	624	865	1,021	844	803	749	740
South Dakota	248	233	194	226	271	296	277	289	186	385
Tennessee	1,330	1,270	1,246	1,304	1,422	1,336	1,451	1,266	1,261	1,301
Texas	2,774	2,773	2,709	2,508	2,690	3,363	3,777	3,341	3,245	3,111
Utah	373	368	350	336	495	371	398	246	267	175
Vermont	209	182	170	164	174	230	204	171	138	126
Virginia	1,030	1,018	1,007	1,177	1,194	1,237	1,316	1,325	1,073	1,150
Washington	1,122	1,093	1,033	1,045	1,202	1,053	1,429	1,089	1,150	1,350
West Virginia	774	705	701	811	819	1,063	967	885	641	611
Wisconsin	646	734	891	997	1,123	1,257	1,225	1,241	1,247	973
Wyoming	72	70	69	80	82	134	135	122	115	133
American Samoa	0	0	0	0	18	18	0	0	34	11
Guam	51	35	11	20	28	41	39	29	29	29
Puerto Rico	574	710	766	842	728	811	681	547	797	713
Virgin Islands	37	20	18	27	18	14	25	216	18	18

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 19

ANNUAL ADMISSIONS TO DIPLOMA NURSING PROGRAMS, BY NLN REGION AND STATE: 1977-78 TO 1986-87[1]

REGION AND STATE	NUMBER OF ANNUAL ADMISSIONS									
	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
United States	**20,611**	**18,499**	**16,905**	**17,494**	**18,928**	**19,368**	**17,848**	**14,875**	**9,846**	**8,337**
North Atlantic	7,359	6,509	5,920	6,205	6,515	7,136	6,742	5,862	4,238	3,724
Midwest	8,681	7,945	7,160	7,412	8,193	7,971	7,353	5,825	3,589	2,783
South	3,900	3,437	3,223	3,254	3,607	3,760	3,369	2,916	1,833	1,674
West	671	608	602	623	613	501	384	272	186	156
Alabama	172	155	168	161	176	186	167	123	32	34
Alaska	0	0	0	0	0	0	0	0	–	0
Arizona	0	0	0	0	0	0	0	0	–	0
Arkansas	107	98	103	156	182	186	209	169	103	151
California	378	401	409	431	429	278	275	230	186	156
Colorado	82	83	73	80	60	81	109	42	0	0
Connecticut	357	362	337	354	312	335	347	317	180	221
Delaware	116	78	83	84	80	99	63	20	18	17
District of Columbia	56	59	43	0	0	0	0	0	–	0
Florida	212	178	167	70	132	181	160	131	69	76
Georgia	453	299	252	166	198	201	202	138	102	87
Hawaii	0	0	0	0	0	0	0	0	–	0
Idaho	0	0	0	0	0	0	0	0	–	0
Illinois	1,768	1,621	1,359	1,327	1,474	1,405	1,349	1,136	714	345
Indiana	445	377	375	432	426	433	452	466	303	322
Iowa	618	567	497	501	602	627	587	364	206	261
Kansas	326	254	189	118	133	195	211	166	87	24
Kentucky	120	128	118	108	60	0	0	0	–	0
Louisiana	321	308	292	321	330	396	337	353	337	204
Maine	171	132	152	156	115	156	98	83	24	0
Maryland	215	211	187	240	278	293	297	315	99	118
Massachusetts	1,125	1,013	875	879	969	926	810	600	434	398
Michigan	824	558	528	575	538	516	319	364	304	244
Minnesota	288	266	263	302	264	251	219	97	0	0
Mississippi	76	22	59	60	36	30	39	0	–	0
Missouri	1,061	977	935	907	1,016	1,047	1,005	758	512	486
Montana	0	0	0	0	0	0	0	0	–	0
Nebraska	437	438	397	493	536	426	431	380	151	58
Nevada	0	0	0	0	0	0	0	0	–	0
New Hampshire	200	115	145	133	64	79	78	46	44	14
New Jersey	1,037	930	845	912	1,012	1,159	1,300	1,310	981	837
New Mexico	0	0	0	0	0	0	0	0	–	0
New York	1,546	1,167	1,094	1,159	1,238	1,265	1,109	938	655	470
North Carolina	316	316	285	261	322	309	332	268	167	114
North Dakota	151	226	169	166	217	142	166	122	59	0
Ohio	2,030	1,990	1,850	1,975	2,435	2,328	2,135	1,574	1,125	894
Oklahoma	107	63	23	31	31	0	0	0	–	0
Oregon	124	124	120	112	124	142	0	0	–	0
Pennsylvania	2,671	2,562	2,277	2,453	2,638	2,950	2,830	2,472	1,833	1,726
Rhode Island	80	91	69	75	87	167	107	76	69	41
South Carolina	34	34	20	28	43	32	36	6	13	9
South Dakota	132	122	105	134	146	144	112	84	32	104
Tennessee	559	481	524	616	686	852	722	753	451	302
Texas	483	446	368	360	417	304	154	144	110	130
Utah	0	0	0	0	0	0	0	0	–	0
Vermont	0	0	0	0	0	0	0	0	–	0
Virginia	590	572	517	533	555	635	577	407	289	298
Washington	87	0	0	0	0	0	0	0	–	0
West Virginia	135	126	140	143	161	155	137	109	61	151
Wisconsin	601	549	493	482	406	457	367	314	96	45
Wyoming	0	0	0	0	0	0	0	0	–	0
American Samoa	0	0	0	0	0	0	0	0	–	0
Guam	0	0	0	0	0	0	0	0	–	0
Puerto Rico	0	0	0	0	0	0	0	0	–	0
Virgin Islands	0	0	0	0	0	0	0	0	–	0

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 20

ANNUAL ADMISSIONS IN BASIC RN PROGRAMS, BY TYPE OF PROGRAM AND NLN ACCREDITATION STATUS: AUGUST 1, 1986 TO JULY 31, 1987[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS	NUMBER OF ANNUAL ADMISSIONS											
		ALL BASIC RN PROGRAMS			BACCALAUREATE PROGRAMS			ASSOCIATE DEGREE PROGRAMS			DIPLOMA PROGRAMS		
		Total	Accredited	Not Accredited	Total	Accredited	Not Accredited	Total	Accredited	Not Accredited	Total	Accredited	Not Accredited
United States	**1,465**	**90,693**	**73,100**	**17,593**	**28,026**	**25,997**	**2,029**	**54,330**	**38,800**	**15,530**	**8,337**	**8,303**	**34**
North Atlantic	355	23,069	20,852	2,217	6,545	6,378	167	12,800	10,775	2,025	3,724	3,699	25
Midwest	424	25,151	19,746	5,405	8,394	7,343	1,051	13,974	9,620	4,354	2,783	2,783	0
South	481	29,632	24,254	5,379	9,064	8,600	464	18,894	13,989	4,905	1,674	1,665	9
West	205	12,841	8,248	4,593	4,023	3,676	347	8,662	4,416	4,246	156	156	0
Alabama	35	2,149	2,143	6	976	976	0	1,139	1,133	6	34	34	0
Alaska	2	166	166	0	126	126	0	40	40	0	0	0	0
Arizona	15	962	944	18	279	279	0	683	665	18	0	0	0
Arkansas	21	983	889	94	289	289	0	543	449	94	151	151	0
California	89	6,098	3,194	2,904	1,746	1,675	71	4,196	1,363	2,833	156	156	0
Colorado	12	942	479	463	398	319	79	544	160	384	0	0	0
Connecticut	18	1,012	1,012	0	349	349	0	442	442	0	221	221	0
Delaware	6	339	274	65	117	117	0	205	140	65	17	17	0
District of Columbia	6	334	334	0	255	255	0	79	79	0	0	0	0
Florida	40	3,426	2,348	1,078	714	612	102	2,636	1,660	976	76	76	0
Georgia	33	1,805	1,737	68	503	435	68	1,215	1,215	0	87	87	0
Hawaii	6	183	120	63	119	80	39	64	40	24	0	0	0
Idaho	7	274	274	0	44	44	0	230	230	0	0	0	0
Illinois	72	4,422	3,526	896	1,354	1,210	144	2,723	1,971	752	345	345	0
Indiana	40	2,480	2,259	221	1,082	899	183	1,076	1,038	38	322	322	0
Iowa	36	1,661	791	870	394	394	0	1,006	136	870	261	261	0
Kansas	32	957	926	31	353	338	15	580	564	16	24	24	0
Kentucky	27	1,683	1,296	387	554	554	0	1,129	742	387	0	0	0
Louisiana	22	1,432	1,269	163	790	687	103	438	378	60	204	204	0
Maine	15	433	293	140	205	149	56	228	144	84	0	0	0
Maryland	24	1,483	1,274	209	466	466	0	899	690	209	118	118	0
Massachusetts	48	2,700	2,493	207	823	823	0	1,479	1,272	207	398	398	0
Michigan	49	3,872	2,255	1,617	1,177	1,177	0	2,451	834	1,617	244	244	0
Minnesota	23	1,431	1,101	330	437	390	47	994	711	283	0	0	0
Mississippi	21	1,503	1,255	248	362	362	0	1,141	893	248	0	0	0
Missouri	42	2,087	1,698	389	569	483	86	1,032	729	303	486	486	0
Montana	4	284	176	108	176	176	0	108	0	108	0	0	0
Nebraska	13	749	411	338	608	270	338	83	83	0	58	58	0
Nevada	7	199	118	81	43	43	0	156	75	81	0	0	0
New Hampshire	10	372	247	125	110	110	0	248	123	125	14	14	0
New Jersey	38	2,521	2,501	20	528	528	0	1,156	1,136	20	837	837	0
New Mexico	13	455	221	234	55	55	0	400	166	234	0	0	0
New York	108	9,401	8,332	1,069	2,339	2,339	0	6,592	5,548	1,044	470	445	25
North Carolina	57	2,920	1,116	1,804	837	813	24	1,969	189	1,780	114	114	0
North Dakota	8	225	225	0	162	162	0	63	63	0	0	0	0
Ohio	70	4,767	4,490	277	1,265	1,265	0	2,608	2,331	277	894	894	0
Oklahoma	27	1,244	1,204	40	372	372	0	872	832	40	0	0	0
Oregon	17	953	622	331	370	212	158	583	410	173	0	0	0
Pennsylvania	94	5,335	4,763	572	1,611	1,500	111	1,998	1,537	461	1,726	1,726	0
Rhode Island	7	440	440	0	152	152	0	247	247	0	41	41	0
South Carolina	20	1,031	741	290	282	211	71	740	530	210	9	0	9
South Dakota	9	629	522	107	140	140	0	385	278	107	104	104	0
Tennessee	35	2,179	2,110	69	576	507	69	1,301	1,301	0	302	302	0
Texas	64	4,758	4,137	621	1,517	1,517	0	3,111	2,490	621	130	130	0
Utah	4	345	345	0	170	170	0	175	175	0	0	0	0
Vermont	5	182	163	19	56	56	0	126	107	19	0	0	0
Virginia	35	2,035	1,857	178	587	571	16	1,150	988	162	298	298	0
Washington	23	1,769	1,415	354	419	419	0	1,350	996	354	0	0	0
West Virginia	20	1,001	878	123	239	228	11	611	499	112	151	151	0
Wisconsin	30	1,871	1,542	329	853	615	238	973	882	91	45	45	0
Wyoming	6	211	174	37	78	78	0	133	96	37	0	0	0
American Samoa	1	11	0	11	0	0	0	11	0	11	0	0	0
Guam	1	29	0	29	0	0	0	29	0	29	0	0	0
Puerto Rico	20	3,048	2,084	964	2,335	1,713	622	713	371	342	0	0	0
Virgin Islands	2	36	36	0	18	18	0	18	18	0	0	0	0

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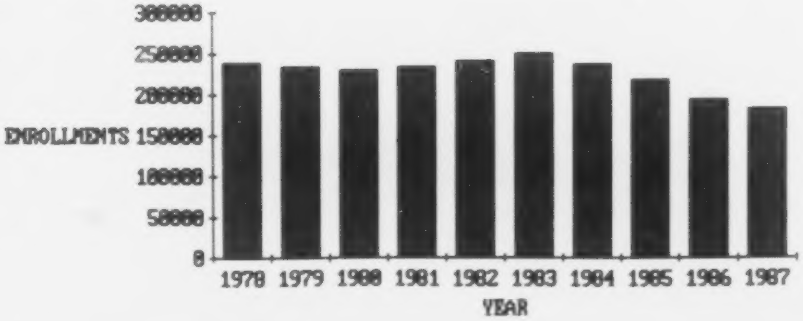
[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

ENROLLMENTS

Enrollments in Basic RN Programs (Tables 21-27)

- Enrollment figures, as of October 15, 1987, reveal significant decreases in both baccalaureate and diploma programs. Diploma programs reported a drop of 16.4 percent in enrollments and baccalaureate programs reported a decrease of 9.8 percent. Associate degree programs reported a very slight increase in enrollments (1%).
- Enrollments at public institutions were almost unchanged from last year (up .7%); while an 18.1 percent decline was registered at private institutions. (see Table 22).
- Total enrollments registered at 182,947, a 5.6 percent decrease over 1986. All regions experienced a decline in enrollments. The West reported the smallest drop—.7 percent, whereas the North Atlantic reported the largest—10.3 percent (see Table 23).
- All regions reported decreases in baccalaureate program enrollments. The losses ranged from 4 percent in the West to 14.6 percent in the North Atlantic (see Table 24).
- Enrollments rose in associate degree programs in all regions except the North Atlantic. The South reported an increase of 3.5 percent; while the West and the Midwest reported increases of about 2 percent each. The only decline in associate degree enrollments occurred in the North Atlantic—4 percent (see Table 25).
- All regions reported significant decreases in diploma program enrollments, from 23 percent in the Midwest to 6.4 percent in the South (see Table 26).
- Of the 182,947 total enrollments in all basic RN programs, 84.6 percent (154,851) were in programs accredited by NLN. Diploma programs reported that 99.7 percent of their enrollments were in accredited programs, and 94.8 percent of the baccalaureate enrollments were in accredited programs. Only 73.2 percent of associate degree enrollments were from NLN-accredited programs (see Table 27).
- **TEN-YEAR TREND:** Enrollments in all basic programs declined 23.6 percent in the past decade. The dramatic 60.6 percent decrease in diploma program enrollments accounts for much of this decline. Baccalaureate program enrollments hit its peak in 1977 and has fallen 26.3 percent in the last ten years. Associate degree enrollments increased 1.2 percent during the same time period.

Enrollments in Basic RN Programs: 10-Year Trend



Source: NLN Division of Research, 1988

Table 21

ENROLLMENTS IN BASIC RN PROGRAMS AND PERCENTAGE CHANGE FROM PREVIOUS YEAR, BY TYPE OF PROGRAM: 1968 TO 1987[1]

YEAR	ALL BASIC RN PROGRAMS		BACCALAUREATE PROGRAMS		ASSOCIATE DEGREE PROGRAMS		DIPLOMA PROGRAMS	
	Number of Enrollments	Percent Change	Number of Enrollments	Percent Change	Number of Enrollments	Percent Change	Number of Enrollments	Percent Change
1968	144,024	+2.4	40,157	+10.1	27,009	+30.7	76,858	−8.0
1969	149,124	+3.5	43,286	+7.8	33,917	+25.6	71,921	−6.4
1970	162,924	+9.2	48,657	+12.4	43,855	+29.3	70,412	−2.1
1971	185,869	+14.1	59,454	+22.2	55,425	+26.4	70,990	+0.8
1972	211,239	+13.6	73,499	+23.6	66,402	+19.8	71,338	+0.5
1973	230,803	+9.3	84,738	+15.3	77,508	+16.7	68,557	−3.9
1974	242,551	+5.1	94,413	+11.4	84,166	+8.6	63,972	−6.7
1975	248,171	+2.3	99,837	+5.7	88,121	+4.7	60,213	−5.9
1976	247,044	−0.4	99,949	+0.1	91,004	+3.3	56,091	−6.8
1977	245,390	−0.7	101,430	+1.5	91,102	+0.1	52,858	−5.8
1978	239,486	−2.4	99,900	−1.5	91,527	+0.5	48,059	−9.1
1979	234,659	−2.0	98,939	−1.0	92,069	+0.6	43,651	−9.2
1980	230,966	−1.6	95,858	−3.1	94,060	+2.2	41,048	−6.0
1981	234,995	+1.7	93,967	−2.0	100,019	+6.3	41,009	−0.1
1982	242,035	+3.0	94,363	+0.4	105,324	+5.3	42,348	+3.3
1983	250,553	+3.5	98,941	+4.9	109,605	+4.1	42,007	−0.8
1984	237,232	−5.3	95,008	−4.0	104,968	−4.2	37,256	−11.3
1985	217,955	−8.1	91,020	−4.2	96,756	−7.8	30,179	−19.0
1986	193,712	−11.1	81,602	−10.3	89,469	−7.5	22,641	−25.0
1987	182,947	−5.6	73,621	−9.8	90,399	+1.0	18,927	−16.4

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 22

ENROLLMENTS IN PUBLIC AND PRIVATE BASIC RN PROGRAMS, BY TYPE OF PROGRAM: 1978 TO 1987[1]

PUBLIC AND PRIVATE NURSING PROGRAMS	TOTAL ENROLLMENTS									
	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
All Programs	**239,486**	**234,659**	**230,966**	**234,995**	**242,035**	**250,553**	**237,232**	**217,955**	**193,712**	**182,947**
Public	147,530	147,678	142,857	146,260	153,095	158,005	153,057	141,399	129,362	130,230
Private	91,956	86,981	88,109	88,735	88,940	92,548	84,175	76,556	64,350	52,717
Baccalaureate	99,900	98,939	95,858	93,967	94,363	98,941	95,008	91,020	81,602	73,621
Public	59,462	59,109	55,631	54,664	55,514	57,952	55,390	53,450	47,329	47,276
Private	40,438	39,830	40,227	39,303	38,849	40,989	39,618	37,570	34,273	26,345
Associate Degree	91,527	92,069	94,060	100,019	105,324	109,605	104,968	96,756	89,469	90,399
Public	82,205	83,307	82,314	86,887	92,042	93,997	92,245	83,693	78,207	79,542
Private	9,322	8,762	11,746	13,132	13,282	15,608	12,723	13,063	11,262	10,857
Diploma	48,059	43,651	41,048	41,009	42,348	42,007	37,256	30,179	22,641	18,927
Public	5,863	5,262	4,912	4,709	5,539	6,056	5,422	4,256	3,826	3,412
Private	42,196	38,389	36,136	36,300	36,809	35,951	31,834	25,923	18,815	15,515

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 23

TOTAL ENROLLMENTS IN ALL BASIC RN PROGRAMS, BY NLN REGION AND STATE: 1978 TO 1987[1]

NLN REGION AND STATE	NUMBER OF TOTAL ENROLLMENTS									
	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
United States	**239,486**	**234,659**	**230,966**	**234,995**	**242,035**	**250,553**	**237,232**	**217,955**	**193,712**	**182,947**
North Atlantic	73,281	73,784	70,465	69,404	69,082	72,276	68,798	63,673	56,345	50,521
Midwest	70,299	67,164	67,715	69,842	72,835	74,347	69,521	63,247	54,591	50,450
South	67,980	65,662	64,896	66,082	70,947	74,145	69,343	63,911	58,316	57,674
West	27,926	28,049	27,890	29,667	29,171	29,765	29,570	27,124	24,460	24,302
Alabama	5,272	4,940	5,220	5,453	5,536	6,796	5,727	5,050	4,300	3,799
Alaska	298	331	332	344	322	348	377	377	455	268
Arizona	1,980	2,025	2,042	2,199	2,185	2,535	2,389	1,933	1,816	1,827
Arkansas	2,182	2,047	2,163	2,374	2,434	2,628	2,090	2,028	1,936	1,929
California	12,863	13,344	13,652	14,724	14,287	14,028	16,442	13,705	11,992	12,108
Colorado	2,125	2,031	2,003	1,857	1,859	1,884	1,533	1,546	1,446	1,393
Connecticut	3,704	3,517	3,446	3,324	3,233	3,442	3,232	2,995	2,551	2,267
Delaware	1,279	1,304	1,320	1,334	1,261	1,370	1,279	1,073	957	829
District of Columbia	2,410	2,036	2,032	1,640	1,404	1,929	1,354	1,251	1,055	754
Florida	6,140	6,199	6,147	6,769	7,196	7,127	6,796	6,398	5,545	5,475
Georgia	4,097	3,848	3,797	3,848	4,087	4,200	4,016	3,694	3,278	3,185
Hawaii	380	392	403	402	392	481	508	311	464	520
Idaho	712	678	623	676	674	663	604	467	470	550
Illinois	13,153	12,454	12,392	12,479	12,889	13,171	12,197	10,641	9,246	8,087
Indiana	6,526	6,224	6,364	6,329	6,807	6,948	6,690	6,280	6,260	5,830
Iowa	4,328	4,081	4,286	4,350	4,565	4,585	4,342	3,736	2,966	2,917
Kansas	2,393	2,330	2,314	2,583	2,685	2,834	2,722	2,255	1,775	1,791
Kentucky	3,571	3,437	3,227	3,262	3,395	3,932	3,801	3,724	3,521	3,550
Louisiana	4,287	4,172	4,165	4,070	4,401	3,927	4,656	4,779	5,081	4,957
Maine	1,366	1,334	1,318	1,162	1,159	1,192	1,137	1,017	910	1,001
Maryland	3,765	3,817	3,521	3,817	4,069	4,353	4,007	3,591	3,097	2,775
Massachusetts	9,251	8,949	9,056	8,928	9,050	9,595	9,277	8,190	7,119	6,239
Michigan	9,050	8,449	8,554	8,851	9,100	9,041	8,601	8,472	7,540	7,553
Minnesota	4,837	4,553	4,462	4,619	4,514	4,465	3,862	3,029	2,659	2,548
Mississippi	2,586	2,598	2,601	2,782	3,070	3,304	3,341	2,812	2,669	2,584
Missouri	5,660	5,433	5,470	5,630	5,694	5,832	5,357	4,799	4,218	3,875
Montana	945	895	867	873	1,034	1,155	1,060	947	887	739
Nebraska	2,186	2,070	2,079	2,269	2,303	2,281	1,932	2,413	1,266	1,169
Nevada	458	470	419	586	611	711	657	582	477	488
New Hampshire	1,094	1,050	1,030	1,034	1,098	1,180	1,211	1,076	819	803
New Jersey	7,794	7,569	7,300	7,221	7,055	7,413	7,041	6,792	5,942	5,410
New Mexico	936	1,000	970	1,042	1,054	1,089	1,052	971	757	920
New York	28,082	29,834	26,361	26,057	25,566	25,997	24,550	23,605	21,380	19,266
North Carolina	5,854	5,807	5,660	5,555	5,893	6,235	5,727	4,919	4,600	4,679
North Dakota	1,386	1,313	1,307	1,312	1,323	1,409	1,165	1,137	865	650
Ohio	12,780	12,506	12,407	13,111	14,200	14,644	13,866	12,722	11,156	10,651
Oklahoma	2,281	2,348	2,319	2,296	2,481	2,471	2,377	2,065	1,977	2,324
Oregon	1,906	1,898	1,880	2,011	2,007	2,198	2,032	2,075	1,676	1,620
Pennsylvania	15,664	15,460	15,898	15,884	16,456	17,685	16,801	15,759	13,832	12,325
Rhode Island	1,952	2,083	2,091	2,204	2,181	1,883	2,282	1,372	1,348	1,213
South Carolina	2,583	2,392	2,216	2,372	2,592	3,233	2,750	2,764	2,536	2,424
South Dakota	1,563	1,502	1,468	1,568	1,568	1,570	1,489	1,205	1,067	1,104
Tennessee	5,539	5,341	5,754	5,946	6,368	6,625	6,269	5,523	4,856	4,797
Texas	11,661	10,769	10,527	9,783	11,166	11,007	10,166	9,744	8,950	9,313
Utah	1,044	1,001	860	981	952	939	723	845	910	794
Vermont	685	648	613	616	619	664	634	543	432	414
Virginia	5,617	5,385	5,292	5,346	5,671	5,525	5,003	4,578	3,983	4,045
Washington	3,935	3,698	3,552	3,675	3,445	3,357	3,407	3,027	2,836	2,633
West Virginia	2,254	2,250	2,287	2,409	2,588	2,708	2,557	2,242	1,987	1,838
Wisconsin	6,738	6,561	6,612	6,741	7,187	7,564	7,298	6,558	5,573	4,275
Wyoming	344	286	287	297	349	400	386	338	337	442
American Samoa	0	0	0	10	18	24	26	11	14	16
Guam	91	49	41	49	53	82	54	60	60	60
Puerto Rico	2,643	2,844	3,819	3,393	3,375	4,020	3,563	3,144	3,642	3,561
Virgin Islands	39	28	38	26	28	44	57	55	56	73

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 24

TOTAL ENROLLMENTS IN BASIC BACCALAUREATE NURSING PROGRAMS, BY NLN REGION AND STATE: 1978 TO 1987[1]

NLN REGION AND STATE	NUMBER OF TOTAL ENROLLMENTS[2]									
	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
United States	**99,900**	**98,939**	**95,858**	**93,967**	**94,363**	**98,941**	**95,008**	**91,020**	**81,[illegible]12**	**73,621**
North Atlantic	32,814	34,602	31,808	30,915	30,016	30,788	29,066	26,914	23,[illegible]5	19,710
Midwest	26,668	25,508	26,330	25,850	26,819	28,108	27,505	27,013	24[illegible]	21,823
South	29,026	27,428	26,927	26,253	26,790	28,191	26,500	25,849	23,[illegible]98	22,564
West	11,392	11,401	10,793	10,949	10,738	11,854	11,937	11,244	9,919	9,524
Alabama	3,158	2,775	2,984	3,087	3,016	3,641	2,856	2,763	2,276	1,991
Alaska	232	262	270	264	254	288	310	317	329	203
Arizona	959	970	900	951	923	1,150	1,212	822	765	591
Arkansas	833	727	856	893	818	875	567	626	594	580
California	4,472	4,815	4,570	4,636	4,440	4,789	5,115	5,139	4,258	4,309
Colorado	1,170	1,078	1,029	931	935	921	614	781	725	711
Connecticut	1,776	1,660	1,591	1,562	1,517	1,607	1,526	1,481	1,281	1,076
Delaware	820	842	879	852	817	886	813	738	625	467
District of Columbia	1,988	1,555	1,575	1,353	1,078	1,570	1,151	1,045	843	675
Florida	1,609	1,630	1,625	1,538	1,528	1,760	1,619	1,757	1,540	1,430
Georgia	949	1,069	1,084	1,203	1,208	1,244	1,276	1,197	1,025	901
Hawaii	144	161	145	114	128	244	220	58	228	401
Idaho	222	209	164	136	93	88	84	37	32	107
Illinois	4,194	4,043	4,241	4,033	4,169	4,518	4,514	4,096	3,826	3,249
Indiana	2,866	2,755	2,779	2,557	3,070	3,361	3,073	3,100	3,586	3,351
Iowa	1,474	1,391	1,444	1,333	1,288	1,301	1,320	1,235	1,057	821
Kansas	985	1,042	1,115	1,106	1,169	1,193	1,264	1,106	863	780
Kentucky	942	802	689	702	767	1,298	1,276	1,482	1,652	1,477
Louisiana	2,648	2,376	2,320	2,163	2,419	1,922	2,756	3,086	3,397	3,361
Maine	593	605	597	443	387	458	530	566	523	700
Maryland	1,159	1,186	1,077	1,228	1,229	1,329	1,215	1,187	1,166	968
Massachusetts	3,830	3,990	4,297	4,355	4,494	4,569	4,518	3,999	3,394	2,970
Michigan	3,576	3,502	3,484	3,499	3,313	3,439	3,576	3,663	3,283	3,157
Minnesota	1,927	1,670	1,697	1,691	1,628	1,635	1,515	1,275	1,138	1,046
Mississippi	964	968	966	1,017	1,068	1,164	1,315	1,005	1,179	998
Missouri	1,632	1,569	1,821	1,835	1,781	1,677	1,438	1,499	1,366	1,217
Montana	750	699	687	691	797	901	868	740	659	565
Nebraska	503	502	510	520	546	589	457	1,160	748	824
Nevada	95	99	87	246	249	349	265	236	181	193
New Hampshire	524	545	572	618	619	597	619	515	432	363
New Jersey	2,780	2,758	2,537	2,500	2,352	2,253	1,997	1,997	1,792	1,480
New Mexico	304	286	266	304	315	360	345	284	211	190
New York	12,546	14,312	11,008	10,362	9,820	9,555	8,723	8,313	6,826	5,793
North Carolina	2,691	2,606	2,452	2,224	2,212	2,266	2,101	1,831	1,623	1,563
North Dakota	836	744	740	737	747	764	601	693	606	537
Ohio	4,077	3,808	3,609	3,676	3,932	4,347	4,380	4,408	3,997	3,781
Oklahoma	1,000	990	1,015	953	993	1,056	1,086	877	740	933
Oregon	611	539	502	559	546	727	890	890	744	665
Pennsylvania	6,316	6,528	6,927	6,967	7,086	7,800	7,367	7,219	6,344	5,288
Rhode Island	1,299	1,486	1,520	1,588	1,521	1,206	1,500	750	754	682
South Carolina	1,345	1,236	1,118	1,102	1,140	1,319	1,420	1,411	1,195	994
South Dakota	834	839	837	854	847	851	794	688	624	594
Tennessee	1,936	1,894	2,259	2,286	2,157	2,404	2,174	1,980	1,785	1,667
Texas	6,402	5,789	5,546	4,990	5,352	4,938	4,310	4,262	3,792	3,747
Utah	382	328	301	273	278	292	395	450	407	395
Vermont	342	321	305	315	325	329	322	291	251	216
Virginia	2,425	2,400	2,292	2,228	2,243	2,200	1,822	1,736	1,488	1,339
Washington	1,825	1,780	1,711	1,683	1,582	1,535	1,427	1,312	1,179	977
West Virginia	674	668	544	639	640	733	707	649	546	615
Wisconsin	4,055	3,965	4,053	4,009	4,329	4,433	4,573	4,090	3,526	2,466
Wyoming	226	175	161	161	198	210	192	178	201	217
American Samoa	0	0	0	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0	0	0	0
Puerto Rico	1,339	1,505	2,3[illegible]2	2,132	2,065	2,674	2,424	2,292	2,708	2,615
Virgin Islands	0	0	0	0	1	6	27	28	26	46

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Includes basic students only.

Table 25

TOTAL ENROLLMENTS IN ASSOCIATE DEGREE NURSING PROGRAMS, BY NLN REGION AND STATE: 1978 TO 1987[1]

NLN REGION AND STATE	NUMBER OF TOTAL ENROLLMENTS									
	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
United States	**91,527**	**92,069**	**94,060**	**100,019**	**105,324**	**109,585**	**104,968**	**96,756**	**89,469**	**90,399**
North Atlantic	22,946	23,383	23,670	23,942	24,105	26,117	25,459	24,468	23,213	22,296
Midwest	23,451	23,366	24,194	26,406	27,980	28,652	26,899	24,326	22,013	22,497
South	30,184	30,112	30,480	32,334	36,019	37,955	35,754	32,637	30,104	31,166
West	14,946	15,208	15,716	17,337	17,220	16,861	16,856	15,325	14,139	14,440
Alabama	1,698	1,747	1,831	1,938	2,102	2,730	2,488	2,065	1,900	1,742
Alaska	66	69	62	80	68	60	67	60	63	65
Arizona	1,021	1,055	1,142	1,248	1,262	1,385	1,177	1,111	1,051	1,236
Arkansas	1,068	1,089	1,065	1,180	1,253	1,316	1,164	1,067	1,012	927
California	7,560	7,701	8,208	9,181	9,129	8,635	9,218	8,091	7,344	7,461
Colorado	704	729	767	737	743	721	759	685	709	682
Connecticut	994	952	942	908	878	966	872	875	742	680
Delaware	312	296	294	322	285	281	349	285	285	320
District of Columbia	269	349	370	249	326	359	203	206	212	79
Florida	4,017	4,082	4,236	4,945	5,372	5,055	4,868	4,423	3,854	3,905
Georgia	2,270	2,093	2,160	2,183	2,454	2,531	2,313	2,124	1,971	2,045
Hawaii	236	231	258	288	264	237	288	253	236	119
Idaho	490	469	459	540	581	575	520	430	438	443
Illinois	4,985	4,900	5,005	5,294	5,549	5,672	5,137	4,677	4,243	4,020
Indiana	2,548	2,466	2,570	2,761	2,719	2,560	2,535	2,217	1,954	1,969
Iowa	1,353	1,348	1,615	1,724	1,879	1,905	1,840	1,664	1,360	1,685
Kansas	806	846	895	1,076	1,115	1,215	1,199	994	822	947
Kentucky	2,390	2,374	2,320	2,354	2,459	2,634	2,525	2,242	1,869	2,073
Louisiana	896	1,091	1,139	1,192	1,219	1,267	1,105	937	973	993
Maine	406	372	368	391	462	471	398	326	329	284
Maryland	2,036	2,094	1,943	2,014	2,223	2,376	2,228	1,988	1,669	1,574
Massachusetts	2,578	2,475	2,458	2,397	2,431	2,915	2,864	2,689	2,586	2,328
Michigan	3,894	3,666	3,858	4,187	4,686	4,691	4,248	4,179	3,753	4,020
Minnesota	2,162	2,159	2,058	2,236	2,208	2,190	1,914	1,549	1,457	1,502
Mississippi	1,484	1,516	1,530	1,661	1,916	2,042	1,966	1,774	1,490	1,586
Missouri	1,554	1,547	1,496	1,579	1,700	1,855	1,904	1,727	1,617	1,567
Montana	195	196	180	182	237	254	192	207	228	174
Nebraska	534	529	574	668	644	619	550	357	112	156
Nevada	363	371	332	340	362	362	392	346	296	295
New Hampshire	153	139	151	183	278	414	461	456	328	401
New Jersey	2,608	2,609	2,631	2,553	2,428	2,779	2,714	2,418	2,069	2,048
New Mexico	632	714	704	738	739	729	707	687	546	730
New York	11,943	12,562	12,600	13,019	13,006	13,713	13,463	13,324	13,021	12,339
North Carolina	2,425	2,482	2,545	2,700	2,984	3,253	3,043	2,812	2,648	2,789
North Dakota	210	217	252	237	236	266	224	167	126	85
Ohio	3,817	4,044	4,097	4,484	4,956	5,097	5,020	4,606	4,453	4,478
Oklahoma	1,150	1,225	1,211	1,273	1,446	1,415	1,291	1,188	1,237	1,391
Oregon	954	1,035	1,078	1,167	1,147	1,267	1,034	1,185	932	955
Pennsylvania	2,911	2,890	3,150	3,205	3,295	3,495	3,271	3,207	3,007	3,202
Rhode Island	429	412	398	414	422	421	552	430	453	417
South Carolina	1,157	1,087	1,022	1,181	1,366	1,844	1,300	1,321	1,313	1,421
South Dakota	424	381	354	448	442	438	442	356	348	414
Tennessee	2,286	2,196	2,203	2,225	2,439	2,366	2,345	2,167	2,170	2,302
Texas	4,315	4,134	4,246	4,148	5,092	5,479	5,560	5,245	4,951	5,340
Utah	662	673	559	708	674	647	328	395	503	399
Vermont	343	327	308	301	294	335	312	252	181	198
Virginia	1,732	1,661	1,744	1,928	2,111	2,017	2,048	1,976	1,813	2,015
Washington	1,945	1,854	1,841	1,992	1,863	1,822	1,980	1,715	1,657	1,656
West Virginia	1,260	1,241	1,285	1,412	1,583	1,598	1,510	1,308	1,234	1,063
Wisconsin	1,164	1,263	1,420	1,712	1,846	2,141	1,886	1,833	1,768	1,654
Wyoming	118	111	126	136	151	190	194	160	136	225
American Samoa	0	0	0	10	18	24	26	11	14	16
Guam	91	49	41	49	53	82	84	60	60	80
Puerto Rico	1,304	1,339	1,487	1,261	1,310	1,346	1,139	852	934	946
Virgin Islands	39	28	38	26	27	38	30	27	30	27

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 26

TOTAL ENROLLMENTS IN DIPLOMA NURSING PROGRAMS, BY NLN REGION AND STATE: 1978 TO 1987[1]

NLN REGION AND STATE	NUMBER OF TOTAL ENROLLMENTS									
	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
United States	**48,059**	**43,651**	**41,048**	**41,009**	**42,348**	**42,007**	**37,256**	**30,179**	**22,641**	**18,927**
North Atlantic	17,521	15,799	14,987	14,547	14,961	15,371	14,273	12,291	10,067	8,515
Midwest	20,180	18,290	17,191	17,586	18,036	17,587	15,117	11,908	7,958	6,130
South	8,770	8,122	7,489	7,495	8,138	7,999	7,089	5,425	4,214	3,944
West	1,588	1,440	1,381	1,381	1,213	1,050	777	555	402	338
Alabama	416	418	405	428	418	425	383	222	124	66
Alaska	0	0	0	0	0	0	0	0	–	0
Arizona	0	0	0	0	0	0	0	0	–	0
Arkansas	281	231	242	301	363	437	359	335	330	422
California	831	828	874	907	718	604	509	475	390	338
Colorado	251	224	207	189	181	242	160	80	12	0
Connecticut	934	905	913	854	838	869	834	639	528	511
Delaware	147	166	147	160	159	203	117	50	47	42
District of Columbia	153	132	87	38	0	0	0	0	–	0
Florida	514	487	286	286	296	312	309	218	151	140
Georgia	878	686	553	462	425	425	427	373	282	239
Hawaii	0	0	0	0	0	0	0	0	–	0
Idaho	0	0	0	0	0	0	0	0	–	0
Illinois	3,974	3,511	3,146	3,152	3,171	2,981	2,546	1,868	1,177	818
Indiana	1,112	1,003	1,015	1,011	1,018	1,027	1,082	963	720	510
Iowa	1,501	1,342	1,227	1,293	1,398	1,379	1,182	837	549	411
Kansas	602	442	304	401	401	426	259	155	90	64
Kentucky	239	261	218	206	169	0	0	0	–	0
Louisiana	743	705	706	715	763	738	795	756	711	603
Maine	367	357	353	328	310	263	209	125	58	17
Maryland	570	537	501	575	617	648	564	416	262	233
Massachusetts	2,843	2,484	2,301	2,176	2,125	2,111	1,895	1,502	1,139	941
Michigan	1,570	1,281	1,212	1,165	1,101	911	777	630	504	376
Minnesota	748	724	707	692	678	640	433	205	64	0
Mississippi	138	114	105	104	86	98	60	33	–	0
Missouri	2,474	2,317	2,153	2,216	2,213	2,300	2,015	1,573	1,235	1,091
Montana	0	0	0	0	0	0	0	0	–	0
Nebraska	1,149	1,039	995	1,081	1,113	1,073	925	896	406	189
Nevada	0	0	0	0	0	0	0	0	–	0
New Hampshire	417	366	307	233	201	169	131	105	59	39
New Jersey	2,406	2,202	2,132	2,168	2,275	2,381	2,330	2,377	2,081	1,882
New Mexico	0	0	0	0	0	0	0	0	–	0
New York	3,593	2,960	2,753	2,676	2,740	2,729	2,364	1,968	1,533	1,134
North Carolina	738	719	663	631	697	716	643	276	329	327
North Dakota	340	352	315	338	340	379	340	277	133	28
Ohio	4,886	4,654	4,701	4,951	5,312	5,200	4,466	3,708	2,706	2,392
Oklahoma	131	133	93	70	42	0	0	0	–	0
Oregon	341	324	300	285	314	204	108	0	–	0
Pennsylvania	6,437	6,042	5,821	5,712	6,075	6,390	6,163	5,333	4,481	3,835
Rhode Island	224	185	173	202	238	256	230	192	141	114
South Carolina	81	69	76	89	86	70	30	32	28	9
South Dakota	305	282	277	266	279	281	253	161	95	96
Tennessee	1,317	1,251	1,292	1,435	1,772	1,855	1,750	1,376	901	828
Texas	944	846	735	645	722	590	296	237	207	226
Utah	0	0	0	0	0	0	0	0	–	0
Vermont	0	0	0	0	0	0	0	0	–	0
Virginia	1,460	1,324	1,256	1,190	1,317	1,308	1,133	866	682	691
Washington	165	64	0	0	0	0	0	0	–	0
West Virginia	320	341	358	358	365	377	340	285	207	160
Wisconsin	1,519	1,343	1,139	1,020	1,012	990	839	635	279	155
Wyoming	0	0	0	0	0	0	0	0	–	0
American Samoa	0	0	0	0	0	0	0	0	–	0
Guam	0	0	0	0	0	0	0	0	–	0
Puerto Rico	0	0	0	0	0	0	0	0	–	0
Virgin Islands	0	0	0	0	0	0	0	0	–	0

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 27

ENROLLMENTS IN ACCREDITED AND NON-ACCREDITED PROGRAMS, BY NLN REGION AND STATE AND TYPE OF PROGRAM: 1987[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS	NUMBER OF ENROLLMENTS											
		ALL BASIC RN PROGRAMS			BACCALAUREATE PROGRAMS			ASSOCIATE DEGREE PROGRAMS			DIPLOMA PROGRAMS		
		Total	Accredited	Not Accredited	Total	Accredited	Not Accredited	Total	Accredited	Not Accredited	Total	Accredited	Not Accredited
United States	**1,465**	**182,947**	**154,851**	**28,096**	**73,621**	**69,767**	**3,854**	**90,399**	**66,217**	**24,182**	**18,927**	**18,867**	**60**
North Atlantic	355	50,521	46,991	3,530	19,710	19,206	504	22,296	19,321	2,975	8,515	8,464	51
Midwest	424	50,450	42,137	8,313	21,823	20,209	1,614	22,497	15,798	6,899	6,130	6,130	0
South	481	57,674	49,288	8,386	22,564	21,570	994	31,166	23,783	7,383	3,944	3,935	9
West	205	24,302	16,435	7,867	9,524	8,782	742	14,440	7,315	7,125	338	338	0
Alabama	35	3,799	3,791	8	1,991	1,991	0	1,742	1,734	8	66	66	0
Alaska	2	268	268	0	203	203	0	65	65	0	0	0	0
Arizona	15	1,827	1,803	24	591	591	0	1,236	1,212	24	0	0	0
Arkansas	21	1,929	1,840	89	580	580	0	927	838	89	422	422	0
California	89	12,108	6,903	5,205	4,309	4,006	303	7,461	2,559	4,902	338	338	0
Colorado	12	1,393	750	643	711	590	121	682	160	522	0	0	0
Connecticut	18	2,267	2,267	0	1,076	1,076	0	680	680	0	511	511	0
Delaware	6	829	720	109	467	467	0	320	211	109	42	42	0
District of Columbia	6	754	754	0	675	675	0	79	79	0	0	0	0
Florida	40	5,475	3,828	1,647	1,430	1,225	205	3,905	2,463	1,442	140	140	0
Georgia	33	3,185	3,120	65	901	836	65	2,045	2,045	0	239	239	0
Hawaii	6	520	380	140	401	298	103	119	82	37	0	0	0
Idaho	7	550	550	0	107	107	0	443	443	0	0	0	0
Illinois	72	8,087	6,679	1,408	3,249	3,001	248	4,020	2,860	1,160	818	818	0
Indiana	40	5,830	5,491	339	3,351	3,042	309	1,969	1,939	30	510	510	0
Iowa	36	2,917	1,489	1,428	821	821	0	1,685	257	1,428	411	411	0
Kansas	32	1,791	1,691	100	780	738	42	947	889	58	64	64	0
Kentucky	27	3,550	2,871	679	1,477	1,455	22	2,073	1,416	657	0	0	0
Louisiana	22	4,957	4,589	368	3,361	3,108	253	993	878	115	603	603	0
Maine	15	1,001	618	383	700	463	237	284	138	146	17	17	0
Maryland	24	2,775	2,357	418	968	968	0	1,574	1,156	418	233	233	0
Massachusetts	48	6,239	5,919	320	2,970	2,970	0	2,328	2,008	320	941	941	0
Michigan	49	7,553	4,988	2,565	3,157	3,157	0	4,020	1,455	2,565	376	376	0
Minnesota	23	2,548	2,188	360	1,046	964	82	1,502	1,224	278	0	0	0
Mississippi	21	2,584	2,314	270	998	998	0	1,586	1,316	270	0	0	0
Missouri	42	3,875	3,050	825	1,217	963	254	1,567	996	571	1,091	1,091	0
Montana	4	739	565	174	565	565	0	174	0	174	0	0	0
Nebraska	13	1,169	958	211	824	613	211	156	156	0	189	189	0
Nevada	7	488	326	162	193	186	7	295	140	155	0	0	0
New Hampshire	10	803	616	187	363	363	0	401	214	187	39	39	0
New Jersey	38	5,410	5,383	27	1,480	1,480	0	2,048	2,021	27	1,882	1,882	0
New Mexico	13	920	434	486	190	190	0	730	244	486	0	0	0
New York	108	19,266	17,695	1,571	5,793	5,793	0	12,339	10,819	1,520	1,134	1,083	51
North Carolina	57	4,679	2,192	2,487	1,563	1,527	36	2,789	338	2,451	327	327	0
North Dakota	8	650	650	0	537	537	0	85	85	0	28	28	0
Ohio	70	10,651	10,259	392	3,781	3,739	42	4,478	4,128	350	2,392	2,392	0
Oklahoma	27	2,324	2,264	60	933	933	0	1,391	1,331	60	0	0	0
Oregon	17	1,620	1,138	482	665	457	208	955	681	274	0	0	0
Pennsylvania	94	12,325	11,420	905	5,288	5,021	267	3,202	2,564	638	3,835	3,835	0
Rhode Island	7	1,213	1,213	0	682	682	0	417	417	0	114	114	0
South Carolina	20	2,424	1,922	502	994	825	169	1,421	1,097	324	9	0	9
South Dakota	9	1,104	1,049	55	594	594	0	414	359	55	96	96	0
Tennessee	35	4,797	4,700	97	1,667	1,570	97	2,302	2,302	0	828	828	0
Texas	64	9,313	8,253	1,060	3,747	3,747	0	5,340	4,280	1,060	226	226	0
Utah	4	794	794	0	395	395	0	399	399	0	0	0	0
Vermont	5	414	386	28	216	216	0	198	170	28	0	0	0
Virginia	35	4,045	3,664	381	1,339	1,239	100	2,015	1,734	281	691	691	0
Washington	23	2,633	2,134	499	977	977	0	1,656	1,157	499	0	0	0
West Virginia	20	1,838	1,583	255	615	568	47	1,063	855	208	160	160	0
Wisconsin	30	4,275	3,645	630	2,466	2,040	426	1,654	1,450	204	155	155	0
Wyoming	6	442	390	52	217	217	0	225	173	52	0	0	0
American Samoa	1	16	0	16	0	0	0	16	0	16	0	0	0
Guam	1	60	0	60	0	0	0	60	0	60	0	0	0
Puerto Rico	20	3,561	2,126	1,435	2,615	1,613	1,002	946	513	433	0	0	0
Virgin Islands	2	73	73	0	46	46	0	27	27	0	0	0	0

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Enrollments of RNs in Baccalaureate Nursing Programs (Tables 28-30)

- The total number of RNs enrolled in baccalaureate programs has not changed significantly since 1986. While the number of RNs enrolled in basic programs increased almost 5 percent, and the number of RNs in specially designed baccalaureate (BRN) programs fell by almost 6 percent, bringing the total number of RNs in baccalaureate programs to 46,375 (see Table 28).

- The combined number of generic and RN students enrolled in baccalaureate programs in 1987 was 119,996 a 6.2 percent decrease since 1986. The 9.8 percent drop in basic BSN students accounts for this decline. Basic students make up 61.3 percent of all baccalaureate students, and RNs comprise the remaining 39.7 percent (see Table 28).

- Basic baccalaureate students are more likely to be studying full time than the returning RN. Almost 87 percent of basic BSN students attend full time, whereas only 27 percent of RNs in generic programs and about 26 percent of those enrolled in BRN programs are full-time students (see Table 29).

- A regional breakdown indicates that the largest group of returning RNs, almost 37 percent of the total, is in the North Atlantic region. The Midwest follows, with 28 percent of the total; the South, 20 percent; and the West, 15 percent (see Table 30).

- While the number of RNs enrolled in baccalaureate programs increased in the South and West (7.1% and 4.2% respectively), the other regions saw declines in their RN enrollments over the last year. Since 1986 the North Atlantic experienced a 3.4 percent drop and the Midwest had a 2 percent decrease in RN enrollments.

- **TEN-YEAR TREND:** Whereas basic baccalaureate enrollments decreased 26.3 percent since 1978, the number of returning RNs more than doubled, in the last decade. (see Table 28).

- **FIVE-YEAR TREND:** Enrollments in special BRN programs increased 12.5 percent since 1983. The number of RNs in basic baccalaureate programs grew over 25 percent, but basic BSN enrollments fell 25.6 percent (see Tables 28-30).

Table 28
BASIC AND RN STUDENT ENROLLMENTS IN BACCALAUREATE NURSING PROGRAMS: 1978 TO 1987[1]

YEAR	ENROLLMENTS IN BACCALAUREATE NURSING PROGRAMS			
	Total Enrollments	Basic Programs		BRN* Programs
		Basic Students	RN Students	RN Students
1978	125,337	99,900	16,550	8,887
1979	126,612	98,939	16,987	10,686
1980	129,111	95,858	20,722	12,531
1981	126,881	93,967	19,650	13,264
1982	129,125	94,363	20,933	14,729
1983	137,792	98,941	21,192	17,659
1984	136,120	95,008	22,520	18,592
1985	133,960	91,020	22,812	20,128
1986	127,957	81,602	25,247	21,108
1987	119,996	73,621	26,503	19,872

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.
* BRN programs are baccalaureate programs that admit only RNs.

Table 29
FULL-TIME AND PART-TIME ENROLLMENTS OF BASIC AND RN STUDENTS IN BACCALAUREATE NURSING PROGRAMS: 1983 TO 1987[1]

YEAR AND TYPE OF STUDENT	ENROLLMENTS IN BACCALAUREATE NURSING PROGRAMS		
	Total	Full Time	Part Time
1983 (Total)	**139,010**	**100,771**	**38,239**
Basic Students	98,941	88,879	10,062
RNs in Basic Programs	22,225	7,229	14,996
RNs in BRN* Programs	17,844	4,663	13,181
1984 (Total)	**136,120**	**97,255**	**38,865**
Basic Students	95,008	85,253	9,755
RNs in Basic Programs	22,520	7,004	15,516
RNs in BRN* Programs	18,592	4,818	13,774
1985 (Total)	**133,960**	**93,479**	**40,481**
Basic Students	91,020	82,618	8,402
RNs in Basic Programs	22,812	7,196	15,616
RNs in BRN* Programs	20,128	3,665	16,463
1986 (Total)	**127,957**	**85,170**	**42,787**
Basic Students	81,602	71,416	10,186
RNs in Basic Programs	25,247	8,251	16,996
RNs in BRN* Programs	21,108	5,503	15,605
1987 (Total)	**119,996**	**88,427**	**31,569**
Basic Students	73,621	63,917	9,704
RNs in Basic Programs	26,503	19,333	7,170
RNs in BRN* Programs	19,872	5,177	14,695

[1] National and regional totals do not include American Samoa, Guam, Puerto Rico, and the Virgin Islands.
*BRN programs are baccalaureate programs that admit only RNs.

Table 30

TOTAL ENROLLMENTS IN BACCALAUREATE NURSING PROGRAMS, BY NLN REGION AND STATE: 1983 TO 1987[1]

NLN REGION AND STATE	ENROLLMENTS IN BACCALAUREATE NURSING PROGRAMS[2]									
	1983		1984		1985		1986		1987	
	Total	RNs Only	Total	RNs Only	Total	RNs Only	Total	RNs Only	Total	RNs Only
United States	**137,792**	**38,851**	**136,120**	**41,112**	**133,960**	**42,940**	**127,957**	**46,355**	**119,996**	**46,375**
North Atlantic	47,030	16,242	45,485	16,419	43,447	16,533	40,783	17,718	36,825	17,115
Midwest	37,820	9,712	37,895	10,390	38,430	11,417	37,938	13,318	34,874	13,051
South	35,730	7,539	34,595	8,095	33,706	7,857	32,526	8,528	31,700	9,136
West	17,212	5,358	18,145	6,208	18,377	7,133	16,710	6,791	16,597	7,073
Alabama	4,186	545	3,351	495	3,321	558	2,714	438	2,423	432
Alaska	347	59	385	75	401	84	409	80	277	74
Arizona	1,613	463	1,937	725	1,440	618	1,336	571	1,338	747
Arkansas	932	57	636	69	708	82	673	79	655	75
California	7,816	3,027	8,582	3,467	9,768	4,629	8,138	3,880	8,551	4,242
Colorado	1,495	574	1,336	722	1,317	536	1,787	1,062	1,280	569
Connecticut	2,310	703	2,040	514	2,038	557	1,850	569	1,773	697
Delaware	981	95	911	98	816	78	779	154	593	126
District of Columbia	1,715	145	1,279	128	1,190	145	1,021	178	757	82
Florida	3,124	1,364	2,871	1,252	2,905	1,148	2,564	1,024	2,579	1,149
Georgia	1,466	222	1,498	222	1,435	238	1,365	340	1,231	330
Hawaii	363	119	371	151	246	188	265	37	515	114
Idaho	181	93	150	66	128	91	151	119	311	204
Illinois	6,419	1,901	6,536	2,022	6,317	2,221	5,839	2,013	5,266	2,017
Indiana	4,445	1,084	3,904	831	4,556	1,456	5,070	1,484	5,155	1,804
Iowa	1,652	351	1,770	450	1,717	482	1,545	488	1,589	768
Kansas	1,530	337	1,608	344	1,442	336	1,405	542	1,128	348
Kentucky	2,173	875	2,136	860	2,481	999	2,416	764	2,174	697
Louisiana	2,309	345	3,050	294	3,346	260	3,705	308	3,685	324
Maine	510	94	628	98	705	139	660	137	880	180
Maryland	1,790	461	1,793	578	1,638	451	1,627	461	1,677	709
Massachusetts	6,586	2,017	6,692	2,174	6,318	2,319	5,874	2,480	4,908	1,938
Michigan	4,433	994	5,090	1,514	5,144	1,481	5,523	2,240	4,641	1,484
Minnesota	2,167	532	2,219	704	1,933	658	1,635	497	1,690	644
Mississippi	1,336	172	1,480	165	1,182	177	1,413	234	1,192	194
Missouri	2,857	1,180	2,632	1,194	2,563	1,064	3,146	1,780	2,708	1,491
Montana	919	18	879	11	752	12	670	11	580	15
Nebraska	1,192	603	980	523	1,776	616	1,565	817	1,628	804
Nevada	438	89	360	95	308	72	282	101	343	150
New Hampshire	871	274	877	258	739	224	637	205	564	201
New Jersey	3,502	1,249	3,718	1,721	3,660	1,663	3,428	1,636	3,093	1,613
New Mexico	530	170	467	122	408	124	312	101	283	93
New York	17,045	7,490	15,397	6,674	15,220	6,907	14,508	7,682	12,996	7,203
North Carolina	2,619	353	2,648	547	2,595	764	2,285	662	2,313	750
North Dakota	829	65	678	77	807	114	762	156	696	159
Ohio	5,720	1,373	5,958	1,578	6,001	1,593	5,832	1,835	5,598	1,817
Oklahoma	1,261	205	1,219	133	1,043	166	984	244	1,224	291
Oregon	959	232	1,118	228	1,095	205	894	150	825	160
Pennsylvania	11,124	3,324	11,821	4,454	11,379	4,160	10,759	4,415	10,083	4,795
Rhode Island	1,981	775	1,675	175	972	222	919	165	808	126
South Carolina	1,627	308	1,721	301	1,790	379	2,115	920	1,502	508
South Dakota	937	86	897	103	871	183	760	136	761	167
Tennessee	2,922	518	2,757	583	2,512	532	2,398	613	2,673	1,006
Texas	5,957	1,019	5,726	1,416	5,282	1,020	4,886	1,094	4,987	1,240
Utah	452	160	545	150	584	134	614	207	570	175
Vermont	405	76	447	125	410	119	348	97	370	154
Virginia	2,809	609	2,575	753	2,417	681	2,303	815	2,199	860
Washington	1,883	348	1,803	376	1,719	407	1,610	431	1,465	488
West Virginia	1,219	486	1,134	427	1,051	402	1,078	532	1,186	571
Wisconsin	5,639	1,206	5,623	1,050	5,303	1,213	4,856	1,330	4,014	1,548
Wyoming	216	6	212	20	211	33	242	41	259	42
American Samoa	0	0	0	0	0	0	—	—	0	0
Guam	0	0	0	0	5	5	—	—	12	12
Puerto Rico	3,692	1,018	3,108	684	3,092	800	3,332	624	3,153	538
Virgin Islands	21	15	27	12	38	10	31	5	52	6

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Totals include RNs in basic programs, RNs in BRN programs, and basic BSN students.

GRADUATIONS

Graduations from Basic RN Programs (Tables 31-37)

- Graduations from all basic RN programs plummeted to 70,561 in 1986-87—an 8.4 percent drop over the previous year. All program types experienced declines, ranging from 5.6 percent for baccalaureate graduations to 21.4 percent for diploma programs.

- Both public and private institutions reported decreases in their 1986-87 graduations. Private institutions suffered a loss of almost 13 percent of their graduations whereas the public institutions lost 6.6 percent of theirs (see Table 32).

- All regions reported decreases in overall basic RN graduations. The largest decrease was reported in the Midwest (11.6%) and the smallest in the West (5.1%). (see Table 33).

- Graduations from the Midwest and South represent 29 and 30 percent of all basic RN graduations respectively. Graduations from the North Atlantic region comprised about 26 percent of the total, and the West graduated 14.5 percent (see Table 34).

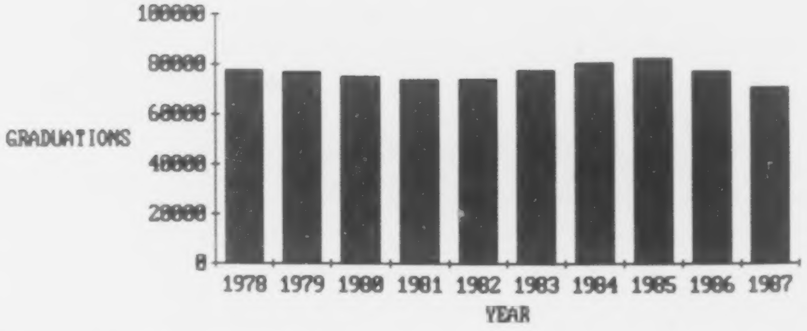
- Almost 83 percent (58,528) of graduations from all basic RN programs were from programs accredited by NLN. Of graduates from baccalaureate programs, 96.7 percent came from accredited programs, and 99.5 percent of diploma graduations came from accredited programs. However, only 70.9 percent of associate degree graduates were from NLN-accredited programs (see Table 37).

- Of the 70,561 graduations, 55 percent came from associate degree programs. Baccalaureate graduations comprised 34 percent of the total and diploma programs, 12 percent (see Table 31).

- **TEN-YEAR TREND:** The total number of graduations from basic RN programs fell 9.4 percent since 1977-78. The number of associate degree graduations rose 5.4 percent. Baccalaureate graduations on the other hand, fell 1.8 percent during that time, and the number of diploma graduates fell almost 52 percent in the past decade.

- **FIVE-YEAR TREND:** Graduations from basic RN programs decreased 8.9 percent since 1982-83. Associate degree programs reported a 7.9 percent increase during that time. Baccalaureate graduations dropped .4 percent and diploma graduations have dropped 29.3 percent.

Graduations from Basic RN Programs: 10-Year Trend



Source: **NLN Division of Research, 1988**

Table 31

GRADUATIONS FROM BASIC RN PROGRAMS AND PERCENTAGE CHANGE FROM PREVIOUS YEAR, BY TYPE OF PROGRAM: 1967-68 TO 1986-87[1]

ACADEMIC YEAR	ALL BASIC RN PROGRAMS		BACCALAUREATE PROGRAMS		ASSOCIATE DEGREE PROGRAMS		DIPLOMA PROGRAMS	
	Number of Graduations	Percent Change	Number of Graduations	Percent Change	Number of Graduations	Percent Change	Number of Graduations	Percent Change
1967-68	41,245	+8.7	7,132	+16.5	6,163	+32.8	27,950	+2.9
1968-69	41,801	+1.3	8,355	+17.1	8,578	+39.2	24,868	−11.0
1969-70	43,103	+3.1	9,069	+8.5	11,483	+33.9	22,551	−9.3
1970-71	46,455	+7.8	9,856	+8.7	14,534	+26.6	22,065	−2.2
1971-72	51,304	+10.4	10,968	+11.3	18,926	+30.2	21,410	−3.0
1972-73	58,881	+14.8	13,055	+19.0	24,497	+29.4	21,329	−0.4
1973-74	67,061	+13.9	16,957	+29.9	28,919	+18.0	21,185	−0.7
1974-75	73,915	+10.2	20,170	+18.9	32,183	+11.3	21,562	+1.8
1975-76	77,065	+4.3	22,579	+11.9	34,625	+7.6	19,861	−7.9
1976-77	77,755	+0.9	23,452	+3.9	36,289	+4.8	18,014	−9.3
1977-78	77,874	+0.1	24,187	+3.1	36,556	+0.7	17,131	−4.9
1978-79	77,132	−1.0	25,048	+3.6	36,264	−0.8	15,820	−7.7
1979-80	75,523	−2.1	24,994	−0.2	36,034	−0.6	14,495	−8.4
1980-81	73,985	−2.0	24,370	−2.5	36,712	+1.9	12,903	−11.0
1981-82	74,052	+0.1	24,081	−1.2	38,289	+4.3	11,682	−9.5
1982-83	77,408	+4.5	23,855	−0.9	41,849	+9.3	11,704	+0.2
1983-84	80,312	+3.8	23,718	−0.6	44,394	+6.1	12,200	+4.2
1984-85	82,075	+2.2	24,975	+5.3	45,208	+1.8	11,892	−2.5
1985-86	77,027	−6.2	25,170	+0.8	41,333	−8.6	10,524	−11.5
1986-87	70,561	−8.4	23,761	−5.6	38,528	−6.8	8,272	−21.4

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 32

GRADUATIONS FROM PUBLIC AND PRIVATE BASIC RN PROGRAMS, BY TYPE OF PROGRAM: 1977-78 TO 1986-87[1]

PUBLIC AND PRIVATE NURSING PROGRAMS	NUMBER OF GRADUATIONS									
	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
All Programs	**77,874**	**77,132**	**75,523**	**73,985**	**74,052**	**77,408**	**80,312**	**82,075**	**77,027**	**70,561**
Public	49,705	49,444	48,773	48,567	50,118	53,254	55,270	56,216	54,456	50,865
Private	28,169	27,688	26,750	25,418	23,934	24,154	25,042	25,859	22,571	19,696
Baccalaureate	24,187	25,048	24,994	24,370	24,081	23,855	23,718	24,975	25,170	23,761
Public	14,878	15,297	15,100	14,478	14,532	14,470	14,112	15,176	15,977	14,746
Private	9,309	9,751	9,894	9,892	9,549	9,385	9,606	9,799	9,193	9,015
Associate Degree	36,556	36,264	36,034	36,712	38,289	41,849	44,394	45,208	41,333	38,528
Public	32,573	32,293	31,904	32,560	33,988	37,097	39,314	39,521	36,806	34,696
Private	3,983	3,971	4,130	4,152	4,301	4,752	5,080	5,687	4,527	3,832
Diploma	17,131	15,820	14,495	12,903	11,682	11,704	12,200	11,892	10,524	8,272
Public	2,254	1,854	1,769	1,529	1,598	1,687	1,844	1,519	1,673	1,423
Private	14,877	13,966	12,726	11,374	10,084	10,017	10,356	10,373	8,851	6,849

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 33

GRADUATIONS FROM ALL BASIC RN PROGRAMS, BY NLN REGION AND STATE: 1977-78 TO 1986-87[1]

NLN REGION AND STATE	NUMBER OF GRADUATIONS									
	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
United States	**77,874**	**77,132**	**75,523**	**73,985**	**74,052**	**77,408**	**80,312**	**82,075**	**77,027**	**70,561**
North Atlantic	21,958	21,400	20,312	20,318	19,415	19,497	19,897	20,484	19,622	18,274
Midwest	23,157	23,213	23,065	22,523	22,508	23,969	25,041	25,208	23,378	20,664
South	22,298	22,014	21,489	20,740	20,914	22,391	24,308	25,181	23,250	21,397
West	10,461	10,505	10,657	10,404	11,215	11,551	11,066	11,202	10,777	10,226
Alabama	1,515	1,589	1,628	1,590	1,646	1,778	2,037	2,094	1,857	1,587
Alaska	38	43	57	37	71	78	56	78	61	51
Arizona	730	784	779	776	822	869	821	878	797	795
Arkansas	603	676	691	611	654	769	809	778	771	726
California	5,185	5,231	5,177	5,427	5,961	5,958	5,718	5,679	5,566	5,125
Colorado	664	662	772	608	674	607	674	667	585	521
Connecticut	952	1,072	-1,000	976	943	914	846	1,003	917	814
Delaware	322	362	384	332	371	395	377	334	311	308
District of Columbia	428	389	342	391	344	284	312	352	332	279
Florida	2,352	2,456	2,387	2,649	2,698	2,917	3,342	3,272	2,995	2,655
Georgia	1,546	1,472	1,312	1,192	1,240	1,310	1,361	1,731	1,547	1,432
Hawaii	149	148	158	163	165	180	154	129	172	133
Idaho	261	267	286	237	260	295	298	257	249	212
Illinois	4,379	4,507	4,281	4,197	4,084	4,479	4,513	4,299	4,012	3,370
Indiana	2,160	2,053	2,006	1,922	1,947	2,140	1,979	2,131	2,230	2,026
Iowa	1,452	1,597	1,570	1,620	1,609	1,702	1,649	1,776	1,566	1,385
Kansas	1,030	944	968	949	984	1,029	1,071	1,229	1,051	915
Kentucky	1,308	1,312	1,282	1,178	1,157	1,290	1,304	1,325	1,287	1,092
Louisiana	1,161	1,027	965	928	955	957	956	939	1,000	998
Maine	390	414	395	383	381	446	422	372	379	364
Maryland	1,475	1,430	1,316	1,294	1,335	1,441	1,576	1,490	1,357	1,205
Massachusetts	3,092	2,871	2,669	2,675	2,469	2,612	2,584	2,736	2,420	2,386
Michigan	3,111	3,146	2,963	2,937	3,118	3,229	3,577	3,552	3,136	3,119
Minnesota	1,804	1,749	1,805	1,736	1,709	1,722	1,741	1,730	1,500	1,246
Mississippi	810	848	888	871	859	949	1,027	1,033	1,013	1,035
Missouri	1,829	1,805	1,811	1,727	1,682	1,808	1,933	1,947	1,859	1,461
Montana	317	251	209	205	197	212	254	244	258	245
Nebraska	728	757	713	699	788	782	825	819	503	430
Nevada	127	132	159	140	167	186	187	186	171	153
New Hampshire	365	333	316	278	280	292	333	383	334	311
New Jersey	2,370	2,304	2,244	2,260	2,034	2,014	2,044	2,010	2,072	1,863
New Mexico	357	341	438	315	355	384	382	363	407	430
New York	8,416	8,112	7,642	7,541	7,300	7,111	7,294	7,114	6,812	6,467
North Carolina	1,903	1,870	1,921	1,938	1,932	1,946	2,048	2,598	1,967	1,759
North Dakota	437	426	445	435	438	398	490	416	419	310
Ohio	4,073	4,126	4,168	4,061	3,936	4,317	4,659	4,748	4,782	4,355
Oklahoma	780	806	847	841	819	930	902	840	782	805
Oregon	771	815	789	719	768	866	711	757	740	748
Pennsylvania	4,902	4,797	4,636	4,828	4,588	4,803	4,982	5,441	5,304	4,844
Rhode Island	492	536	486	464	533	480	504	521	532	457
South Carolina	826	730	674	586	675	705	927	901	889	884
South Dakota	448	445	468	421	402	433	450	434	421	324
Tennessee	1,620	1,698	1,653	1,435	1,559	1,792	1,830	1,912	1,850	1,673
Texas	3,875	3,619	3,553	3,339	3,114	3,168	3,524	3,652	3,425	3,347
Utah	422	419	494	489	448	567	396	542	373	402
Vermont	229	210	198	190	172	177	199	218	209	181
Virginia	1,673	1,658	1,627	1,556	1,501	1,612	1,776	1,745	1,677	1,465
Washington	1,393	1,323	1,261	1,207	1,242	1,272	1,306	1,291	1,263	1,293
West Virginia	763	751	745	732	770	796	889	871	833	734
Wisconsin	1,794	1,730	1,867	1,918	1,811	1,930	2,154	2,127	1,899	1,723
Wyoming	47	89	78	81	85	77	109	131	135	118
American Samoa	0	0	0	0	0	0	32	11	10	10
Guam	50	38	16	16	17	11	11	12	12	12
Puerto Rico	759	746	866	874	893	1,045	1,127	1,286	1,017	1,045
Virgin Islands	14	16	10	15	13	10	8	12	13	12

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 34

GRADUATIONS FROM BACCALAUREATE NURSING PROGRAMS, BY NLN REGION AND STATE: 1977-78 TO 1986-87[1]

NLN REGION AND STATE	NUMBER OF GRADUATIONS[2]									
	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
United States	**24,187**	**25,048**	**24,994**	**24,370**	**24,081**	**23,855**	**23,718**	**24,975**	**25,170**	**23,761**
North Atlantic	6,817	7,107	7,131	7,208	7,207	6,903	6,557	6,915	6,744	6,320
Midwest	6,625	7,086	7,239	7,243	6,953	7,314	7,182	7,479	7,600	7,218
South	7,356	7,515	7,267	6,950	6,958	6,760	7,132	7,535	7,562	6,970
West	3,389	3,340	3,357	2,969	2,968	2,878	2,847	3,046	3,264	3,253
Alabama	561	679	629	612	617	706	825	955	781	688
Alaska	13	15	26	18	35	36	34	38	38	26
Arizona	258	255	304	268	278	255	250	310	251	279
Arkansas	148	167	169	149	155	163	235	185	207	188
California	1,386	1,433	1,277	1,264	1,244	1,189	1,153	1,252	1,362	1,394
Colorado	284	291	397	249	269	227	244	250	266	179
Connecticut	327	364	366	372	329	343	292	359	363	302
Delaware	141	149	188	149	190	184	161	180	166	167
District of Columbia	307	303	266	290	258	227	243	293	294	218
Florida	425	475	444	519	479	451	574	630	570	561
Georgia	331	348	399	337	347	392	395	467	425	446
Hawaii	62	55	72	80	64	70	52	0	65	89
Idaho	52	61	90	49	44	43	37	33	31	34
Illinois	1,015	1,131	1,069	1,207	1,055	1,182	1,122	1,171	1,185	1,156
Indiana	710	700	704	633	673	771	630	739	899	784
Iowa	419	522	474	446	451	417	398	432	438	410
Kansas	356	393	399	424	421	483	399	491	447	408
Kentucky	328	341	234	194	187	189	217	229	498	319
Louisiana	517	445	456	386	452	393	408	401	438	450
Maine	107	122	138	126	124	122	113	144	171	176
Maryland	492	399	427	372	418	443	436	404	393	379
Massachusetts	885	855	864	865	956	967	958	1,032	917	862
Michigan	823	950	925	943	917	945	960	898	902	897
Minnesota	632	602	628	613	616	588	598	582	507	466
Mississippi	256	250	297	271	286	293	324	337	356	359
Missouri	351	381	407	413	474	480	464	458	432	319
Montana	195	192	158	151	130	127	164	166	175	174
Nebraska	165	167	176	178	202	180	207	264	160	152
Nevada	52	35	54	35	41	34	41	38	43	33
New Hampshire	132	122	107	120	120	127	116	142	124	118
New Jersey	516	566	525	535	537	550	377	387	419	413
New Mexico	110	86	101	69	73	74	81	67	86	73
New York	2,750	2,869	2,876	2,877	2,713	2,388	2,323	2,166	1,982	1,959
North Carolina	790	770	748	809	752	667	611	663	626	558
North Dakota	208	206	237	210	206	191	234	163	192	198
Ohio	932	1,084	1,124	1,094	912	992	1,054	1,209	1,315	1,326
Oklahoma	297	345	356	343	331	306	311	306	339	314
Oregon	274	265	227	140	201	210	170	213	266	288
Pennsylvania	1,331	1,407	1,480	1,567	1,585	1,675	1,640	1,875	1,957	1,813
Rhode Island	247	275	253	246	322	252	261	262	279	214
South Carolina	284	274	222	216	269	232	283	264	363	354
South Dakota	170	186	192	171	198	183	184	174	175	157
Tennessee	437	408	417	369	431	448	480	489	537	449
Texas	1,706	1,816	1,758	1,642	1,507	1,380	1,252	1,440	1,293	1,232
Utah	117	106	122	104	82	128	154	147	168	192
Vermont	74	75	68	61	68	68	73	75	72	78
Virginia	540	581	558	572	559	539	623	594	573	528
Washington	559	505	494	501	480	461	436	496	461	453
West Virginia	156	145	153	159	168	158	158	171	163	145
Wisconsin	932	836	904	911	828	902	932	898	948	945
Wyoming	27	41	35	41	27	24	31	36	52	39
American Samoa	0	0	0	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0	0	0	0
Puerto Rico	310	301	417	434	442	543	492	685	625	553
Virgin Islands	0	0	0	0	0	0	0	0	4	7

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Includes basic students only.

Table 35

GRADUATIONS FROM ASSOCIATE DEGREE NURSING PROGRAMS, BY NLN REGION AND STATE: 1977-78 TO 1986-87[1]

NLN REGION AND STATE	NUMBER OF GRADUATIONS									
	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
United States	**36,556**	**36,264**	**36,034**	**36,712**	**38,289**	**41,849**	**44,394**	**45,208**	**41,333**	**38,528**
North Atlantic	8,311	8,238	7,934	8,285	8,000	8,507	8,914	9,231	8,791	8,530
Midwest	9,444	9,529	9,667	9,843	10,549	11,580	12,612	12,679	11,512	10,418
South	12,327	11,903	11,671	11,632	11,970	13,488	15,034	15,454	13,744	12,794
West	6,474	6,594	6,762	6,952	7,770	8,274	7,834	7,844	7,286	6,786
Alabama	796	795	878	889	918	941	1,117	1,029	972	865
Alaska	25	28	31	19	36	42	22	40	23	25
Arizona	472	529	475	508	544	614	571	568	546	516
Arkansas	455	451	450	396	448	537	482	509	475	435
California	3,544	3,511	3,597	3,840	4,375	4,495	4,326	4,181	4,002	3,544
Colorado	287	281	302	299	343	338	367	351	294	342
Connecticut	358	441	382	358	381	333	338	377	310	309
Delaware	98	131	97	128	123	147	137	146	133	129
District of Columbia	79	40	31	65	51	57	69	59	38	61
Florida	1,806	1,835	1,795	1,998	2,082	2,346	2,648	2,505	2,315	2,017
Georgia	904	815	684	675	746	788	890	1,159	981	820
Hawaii	87	93	86	83	101	110	102	129	107	44
Idaho	209	206	196	188	216	252	261	224	218	178
Illinois	1,977	2,036	2,009	1,931	2,079	2,338	2,475	2,260	2,096	1,818
Indiana	1,067	993	993	1,006	1,017	1,143	1,116	1,098	1,078	984
Iowa	555	608	627	779	779	892	858	921	778	795
Kansas	320	312	333	362	426	438	568	603	511	470
Kentucky	881	892	905	894	882	994	1,087	1,096	789	773
Louisiana	430	368	292	367	306	378	344	344	344	326
Maine	156	185	156	150	136	242	219	189	161	163
Maryland	793	854	721	785	763	841	948	897	825	732
Massachusetts	1,026	1,052	1,008	1,049	881	1,037	1,042	1,055	995	1,129
Michigan	1,530	1,521	1,432	1,546	1,772	1,861	2,287	2,346	1,980	2,016
Minnesota	902	909	936	913	900	919	959	965	901	780
Mississippi	497	536	554	591	545	630	678	670	657	676
Missouri	647	664	657	633	597	705	757	866	804	677
Montana	71	59	51	54	67	85	90	78	83	71
Nebraska	226	227	218	238	284	294	265	247	65	56
Nevada	75	97	105	105	126	152	146	148	128	120
New Hampshire	79	75	75	81	80	94	177	203	187	179
New Jersey	1,058	986	1,038	1,140	987	909	1,084	1,026	975	820
New Mexico	247	255	337	246	282	310	301	296	321	357
New York	4,067	3,905	3,737	3,765	3,848	4,014	4,112	4,278	4,201	3,985
North Carolina	878	880	957	914	1,009	1,090	1,245	1,719	1,159	1,070
North Dakota	75	83	87	93	100	94	106	114	87	61
Ohio	1,539	1,570	1,670	1,629	1,789	1,958	2,116	2,114	2,199	1,926
Oklahoma	432	433	468	464	465	583	591	534	443	491
Oregon	395	449	464	479	494	573	458	544	474	460
Pennsylvania	1,056	1,098	1,101	1,248	1,242	1,405	1,432	1,567	1,466	1,450
Rhode Island	179	190	179	172	167	191	178	188	188	202
South Carolina	520	437	428	353	394	459	615	608	514	524
South Dakota	189	178	185	170	148	191	200	201	202	139
Tennessee	867	906	870	769	838	959	896	906	854	840
Texas	1,892	1,525	1,516	1,441	1,422	1,564	2,071	2,088	2,023	2,013
Utah	305	313	372	385	366	439	242	395	205	210
Vermont	155	135	130	129	104	109	126	143	137	103
Virginia	674	654	661	627	647	796	811	796	825	709
Washington	737	725	703	706	762	811	870	795	802	840
West Virginia	502	522	492	469	505	551	611	594	568	503
Wisconsin	417	428	520	543	658	747	905	944	811	696
Wyoming	20	48	43	40	58	53	78	95	83	79
American Samoa	0	0	0	0	0	0	32	11	10	10
Guam	50	38	16	16	17	11	11	12	12	12
Puerto Rico	449	445	449	440	451	502	635	601	392	492
Virgin Islands	14	16	10	15	13	10	8	12	9	5

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 36

GRADUATIONS FROM DIPLOMA NURSING PROGRAMS, BY NLN REGION AND STATE: 1977-78 TO 1986-87[1]

NLN REGION AND STATE	NUMBER OF GRADUATIONS									
	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
United States	**17,131**	**15,820**	**14,495**	**12,903**	**11,682**	**11,704**	**12,200**	**11,892**	**10,524**	**8,272**
North Atlantic	6,830	6,055	5,247	4,825	4,213	4,087	4,426	4,338	4,087	3,424
Midwest	7,088	6,598	6,159	5,437	5,006	5,075	5,247	5,050	4,266	3,028
South	2,615	2,596	2,551	2,158	1,986	2,143	2,142	2,192	1,944	1,633
West	598	571	538	483	477	399	385	312	277	187
Alabama	158	115	121	89	111	131	95	110	104	34
Alaska	0	0	0	0	0	0	0	0	—	0
Arizona	0	0	0	0	0	0	0	0	—	0
Arkansas	0	58	72	66	51	69	92	84	89	103
California	255	287	303	323	342	274	239	246	202	187
Colorado	93	90	73	60	62	42	63	66	25	0
Connecticut	267	267	252	246	233	238	216	267	244	203
Delaware	83	82	99	55	58	64	79	8	12	12
District of Columbia	42	46	45	36	35	0	0	0	—	0
Florida	121	146	148	132	137	120	120	137	110	77
Georgia	311	309	229	180	147	130	76	105	141	166
Hawaii	0	0	0	0	0	0	0	0	—	0
Idaho	0	0	0	0	0	0	0	0	—	0
Illinois	1,387	1,340	1,203	1,059	950	959	916	868	731	396
Indiana	383	360	309	283	257	226	233	294	253	258
Iowa	478	467	469	395	379	393	393	423	350	180
Kansas	354	239	236	163	137	108	104	135	93	37
Kentucky	99	79	143	90	88	107	0	0	—	0
Louisiana	214	214	217	175	197	186	204	194	218	222
Maine	127	107	101	107	121	82	90	39	47	25
Maryland	190	177	168	137	154	157	192	189	139	94
Massachusetts	1,181	964	797	761	632	608	584	649	508	395
Michigan	758	675	606	448	429	423	330	308	254	206
Minnesota	270	238	241	210	193	215	184	183	92	0
Mississippi	57	62	37	9	28	26	25	26	—	0
Missouri	831	760	747	681	611	623	712	623	623	465
Montana	51	0	0	0	0	0	0	0	—	0
Nebraska	337	363	319	283	302	308	353	308	278	222
Nevada	0	0	0	0	0	0	0	0	—	0
New Hampshire	154	136	134	77	80	71	40	38	23	14
New Jersey	796	752	681	585	510	555	583	597	678	630
New Mexico	0	0	0	0	0	0	0	0	—	0
New York	1,599	1,338	1,029	899	739	709	859	670	629	523
North Carolina	235	220	216	215	171	189	192	216	182	131
North Dakota	154	137	121	132	132	113	150	139	140	51
Ohio	1,602	1,472	1,374	1,338	1,235	1,367	1,499	1,425	1,268	1,103
Oklahoma	51	28	23	34	23	41	0	0	—	0
Oregon	102	101	98	100	73	83	83	0	—	0
Pennsylvania	2,515	2,292	2,055	2,013	1,761	1,723	1,910	1,999	1,881	1,581
Rhode Island	66	71	54	46	44	37	65	71	65	41
South Carolina	22	19	24	17	12	14	29	29	12	6
South Dakota	89	81	91	80	56	59	66	59	44	28
Tennessee	316	384	366	297	290	385	454	517	459	384
Texas	277	278	279	256	185	224	201	124	109	102
Utah	0	0	0	0	0	0	0	0	—	0
Vermont	0	0	0	0	0	0	0	0	—	0
Virginia	459	423	408	357	295	277	342	355	279	228
Washington	97	93	64	0	0	0	0	0	—	0
West Virginia	105	84	100	104	97	87	120	106	102	86
Wisconsin	445	466	443	365	325	281	317	285	140	82
Wyoming	0	0	0	0	0	0	0	0	—	0
American Samoa	0	0	0	0	0	0	0	0	—	0
Guam	0	0	0	0	0	0	0	0	—	0
Puerto Rico	0	0	0	0	0	0	0	0	—	0
Virgin Islands	0	0	0	0	0	0	0	0	—	0

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 37

GRADUATIONS FROM ACCREDITED AND NON-ACCREDITED PROGRAMS, BY NLN REGION AND STATE AND TYPE OF PROGRAM: 1986-87[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS	NUMBER OF GRADUATIONS											
		ALL BASIC RN PROGRAMS			BACCALAUREATE PROGRAMS			ASSOCIATE DEGREE PROGRAMS			DIPLOMA PROGRAMS		
		Total	Accredited	Not Accredited	Total	Accredited	Not Accredited	Total	Accredited	Not Accredited	Total	Accredited	Not Accredited
United States	**1,465**	**70,561**	**58,528**	**12,033**	**23,761**	**22,967**	**794**	**38,528**	**27,327**	**11,201**	**8,272**	**8,234**	**38**
North Atlantic	355	18,274	16,846	1,428	6,320	6,193	127	8,530	7,261	1,269	3,424	3,392	32
Midwest	424	20,664	17,122	3,542	7,218	7,008	210	10,418	7,086	3,332	3,028	3,028	0
South	481	21,397	17,892	3,505	6,970	6,770	200	12,794	9,495	3,299	1,633	1,627	6
West	205	10,226	6,668	3,558	3,253	2,996	257	6,786	3,485	3,301	187	187	0
Alabama	35	1,587	1,574	13	688	688	0	865	852	13	34	34	0
Alaska	2	51	51	0	26	26	0	25	25	0	0	0	0
Arizona	15	795	784	11	279	279	0	516	505	11	0	0	0
Arkansas	21	726	675	51	188	188	0	435	384	51	103	103	0
California	89	5,125	2,708	2,417	1,394	1,292	102	3,544	1,229	2,315	187	187	0
Colorado	12	521	275	246	179	179	0	342	96	246	0	0	0
Connecticut	18	814	814	0	302	302	0	309	309	0	203	203	0
Delaware	6	308	271	37	167	167	0	129	92	37	12	12	0
District of Columbia	6	279	279	0	218	218	0	61	61	0	0	0	0
Florida	40	2,655	1,772	883	561	515	46	2,017	1,180	837	77	77	0
Georgia	33	1,432	1,409	23	446	423	23	820	820	0	166	166	0
Hawaii	6	133	98	35	89	65	24	44	33	11	0	0	0
Idaho	7	212	212	0	34	34	0	178	178	0	0	0	0
Illinois	72	3,370	2,859	511	1,156	1,118	38	1,818	1,345	473	396	396	0
Indiana	40	2,026	1,947	79	784	735	49	984	954	30	258	258	0
Iowa	36	1,385	698	687	410	410	0	795	108	687	180	180	0
Kansas	32	915	888	27	408	403	5	470	448	22	37	37	0
Kentucky	27	1,092	860	232	319	319	0	773	541	232	0	0	0
Louisiana	22	998	927	71	450	413	37	326	292	34	222	222	0
Maine	15	364	238	126	176	124	52	163	89	74	25	25	0
Maryland	24	1,205	971	234	379	379	0	732	498	234	94	94	0
Massachusetts	48	2,386	2,262	124	862	862	0	1,129	1,005	124	395	395	0
Michigan	49	3,119	1,831	1,288	897	897	0	2,016	728	1,288	206	206	0
Minnesota	23	1,246	1,010	236	466	466	0	780	544	236	0	0	0
Mississippi	21	1,035	882	153	359	359	0	676	523	153	0	0	0
Missouri	42	1,461	1,143	318	319	266	53	677	412	265	465	465	0
Montana	4	245	174	71	174	174	0	71	0	71	0	0	0
Nebraska	13	430	430	0	152	152	0	56	56	0	222	222	0
Nevada	7	153	91	62	33	33	0	120	58	62	0	0	0
New Hampshire	10	311	203	108	118	118	0	179	71	108	14	14	0
New Jersey	38	1,863	1,863	0	413	413	0	820	820	0	630	630	0
New Mexico	13	430	214	216	73	73	0	357	141	216	0	0	0
New York	108	6,467	5,895	572	1,959	1,959	0	3,985	3,445	540	523	491	32
North Carolina	57	1,759	795	964	558	548	10	1,070	116	954	131	131	0
North Dakota	8	310	310	0	198	198	0	61	61	0	51	51	0
Ohio	70	4,355	4,127	228	1,326	1,326	0	1,926	1,698	228	1,103	1,103	0
Oklahoma	27	805	792	13	314	314	0	491	478	13	0	0	0
Oregon	17	748	468	280	288	157	131	460	311	149	0	0	0
Pennsylvania	94	4,844	4,402	442	1,813	1,738	75	1,450	1,083	367	1,581	1,581	0
Rhode Island	7	457	457	0	214	214	0	202	202	0	41	41	0
South Carolina	20	884	707	177	354	301	53	524	406	118	6	0	6
South Dakota	9	324	300	24	157	157	0	139	115	24	28	28	0
Tennessee	35	1,673	1,673	0	449	449	0	840	840	0	384	384	0
Texas	64	3,347	2,878	469	1,232	1,232	0	2,013	1,544	469	102	102	0
Utah	4	402	402	0	192	192	0	210	210	0	0	0	0
Vermont	5	181	162	19	78	78	0	103	84	19	0	0	0
Virginia	35	1,465	1,353	112	528	509	19	709	616	93	228	228	0
Washington	23	1,293	1,081	212	453	453	0	840	628	212	0	0	0
West Virginia	20	734	624	110	145	133	12	503	405	98	86	86	0
Wisconsin	30	1,723	1,579	144	945	880	65	696	617	79	82	82	0
Wyoming	6	118	110	8	39	39	0	79	71	8	0	0	0
American Samoa	1	10	0	10	0	0	0	10	0	10	0	0	0
Guam	1	12	0	12	0	0	0	12	0	12	0	0	0
Puerto Rico	20	1,045	687	358	553	474	79	492	213	279	0	0	0
Virgin Islands	2	12	12	0	7	7	0	5	5	0	0	0	0

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin islands.

Graduations of RNs from Baccalaureate Nursing Programs (Tables 38-40)

- The total number of RNs to graduate from baccalaureate programs grew to 10,714 in 1986-87—a 3.2 percent increase from the previous year. Graduates from basic baccalaureate programs constitute 62 percent (6,591) of the returning RN group, up from 55 percent last year. RNs in special BRN programs represent 39 percent (4,123) of the RN group (see Table 38).

- The combined total of both basic and RN baccalaureate graduates rose to 34,475—a 3 percent decrease from 1985-86. The returning RN represented 31 percent of total BSN graduations (see Table 38).

- Basic baccalaureate graduations decreased 5.6 percent, whereas RN graduations from basic programs leaped 15.7 percent. Graduations from BRN programs fell almost 12 percent since 1985-86 (see Table 38).

- The Midwest contains the largest group of RN graduates from baccalaureate programs, with 31 percent of the total. The North Atlantic placed a close second with 30 percent of the total. The South reported 25 percent of returning RN graduates; and the West, 15 percent (see Table 39).

- Fifty-eight percent (6,157) of the 1986-87 RN graduates from baccalaureate programs previously held the associate degree.

- **TEN-YEAR TREND:** Basic graduations from BSN programs fell 1.8 percent in the past ten years, whereas the number of RNs to receive baccalaureate degrees rose 75 percent during that time. The combined number of baccalaureate graduations increased 13.8 percent in the past decade.

- **FIVE-YEAR TREND:** While baccalaureate graduations by RNs who previously held diplomas increased 3.8 percent over the past five years, the number of graduations by RNs already holding associate degrees jumped over 34 percent since 1982-83 (see Table 39).

Table 38

BASIC AND RN STUDENT GRADUATIONS FROM BACCALAUREATE NURSING PROGRAMS: 1977-78 TO 1986-87[1]

YEAR	GRADUATIONS FROM BACCALAUREATE NURSING PROGRAMS			
	Total Graduations	Basic Programs		BRN* Programs
		Basic Students	RN Students	RN Students
1977-78	30,309	24,187	3,774	2,348
1978-79	31,462	25,048	4,034	2,380
1979-80	32,312	24,994	4,477	2,841
1980-81	32,608	24,370	4,872	3,366
1981-82	33,252	24,081	5,748	3,423
1982-83	32,748	23,855	5,654	3,239
1983-84	33,803	23,718	6,275	3,810
1984-85	34,569	24,975	5,587	4,007
1985-86	35,550	25,170	5,698	4,682
1986-87	34,475	23,761	6,591	4,123

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

* BRN programs are baccalaureate programs that admit only RNs.

Table 39

GRADUATIONS OF REGISTERED NURSES FROM BACCALAUREATE NURSING PROGRAMS, BY PREVIOUS BASIC NURSING EDUCATION AND REGION: 1982-83 TO 1986-87[1]

YEAR AND REGION	BACCALAUREATE PROGRAMS ACCEPTING RNs	PREVIOUS NURSING CREDENTIAL[2]		
		Total	Diploma	Associate Degree
1982-83 (Total)	**449**	**8,893**	**4,308**	**4,585**
North Atlantic	120	2,741	1,632	1,109
Midwest	129	2,552	1,328	1,224
South	137	2,277	950	1,327
West	63	1,323	398	925
1983-84 (Total)	**549**	**10,085**	**4,874**	**5,211**
North Atlantic	147	3,143	1,661	1,482
Midwest	162	2,575	1,493	1,082
South	168	2,888	1,297	1,591
West	72	1,479	423	1,056
1984-85 (Total)	**602**	**9,594**	**4,115**	**5,479**
North Atlantic	156	2,946	1,422	1,524
Midwest	180	2,709	1,437	1,272
South	189	2,588	887	1,701
West	77	1,351	369	982
1985-86 (Total)	**616**	**10,380**	**4,428**	**5,952**
North Atlantic	164	2,827	1,342	1,485
Midwest	186	2,897	1,437	1,460
South	191	2,556	932	1,624
West	75	2,100	717	1,383
1986-87 (Total)	**623**	**10,714**	**4,515**	**6,199**
North Atlantic	160	3,172	1,579	1,593
Midwest	188	3,285	1,651	1,634
South	197	2,681	840	1,841
West	78	1,576	445	1,131

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Includes RNs in basic programs, RNs in BRN programs, and basic BSN students.

Table 40

TOTAL GRADUATIONS FROM BACCALAUREATE NURSING PROGRAMS, BY NLN REGION AND STATE: 1983 TO 1987[1]

NLN REGION AND STATE	GRADUATIONS IN BACCALAUREATE NURSING PROGRAMS[2]									
	1983		1984		1985		1986		1987	
	Total	RNs Only	Total	RNs Only	Total	RNs Only	Total	RNs Only	Total	RNs Only
United States	**32,748**	**8,893**	**33,803**	**10,085**	**34,569**	**9,594**	**35,550**	**10,380**	**34,475**	**10,714**
North Atlantic	9,417	2,741	9,700	3,143	9,861	2,946	9,571	2,827	9,492	3,172
Midwest	9,866	2,552	9,757	2,575	10,186	2,709	10,497	2,897	10,503	3,285
South	9,264	2,277	10,020	2,888	10,123	2,588	10,118	2,556	9,651	2,681
West	4,201	1,323	4,326	1,479	4,397	1,351	5,364	2,100	4,829	1,576
Alabama	873	167	1,019	194	1,132	177	949	168	866	178
Alaska	52	16	39	5	48	10	50	12	58	32
Arizona	339	84	392	142	452	142	615	364	461	182
Arkansas	187	24	276	41	216	31	232	25	229	41
California	1,909	720	1,768	615	1,903	651	2,108	746	2,127	733
Colorado	361	134	410	166	354	104	801	535	308	129
Connecticut	514	171	416	124	442	83	475	112	394	92
Delaware	197	13	1,173	12	209	29	204	38	192	25
District of Columbia	272	45	303	60	355	62	333	39	271	53
Florida	654	203	915	341	1,031	401	915	345	936	375
Georgia	526	134	548	153	543	76	545	120	608	162
Hawaii	97	27	115	63	48	48	85	20	171	82
Idaho	69	26	60	23	59	26	62	31	67	33
Illinois	1,625	443	1,536	414	1,644	473	1,687	502	1,755	509
Indiana	1,120	349	838	208	1,019	280	1,164	265	1,122	338
Iowa	550	133	537	139	521	89	561	123	590	180
Kansas	557	74	474	75	577	86	527	80	494	86
Kentucky	384	195	438	221	493	264	671	173	520	201
Louisiana	445	52	461	53	449	48	479	41	493	43
Maine	134	12	136	23	176	32	200	29	207	31
Maryland	647	204	651	215	632	228	579	186	549	170
Massachusetts	1,350	383	1,405	447	1,443	411	1,363	446	1,500	638
Michigan	1,287	342	1,259	299	1,267	369	1,357	455	1,337	440
Minnesota	704	116	752	154	742	160	699	192	655	189
Mississippi	409	116	454	130	420	83	427	71	441	82
Missouri	772	292	801	337	751	273	734	302	658	339
Montana	138	11	176	12	177	11	175	0	177	3
Nebraska	337	157	333	126	496	232	437	277	368	216
Nevada	61	27	62	21	66	28	68	25	65	32
New Hampshire	188	61	148	32	190	48	147	23	132	14
New Jersey	819	269	714	337	684	297	657	238	696	283
New Mexico	86	12	113	32	101	34	133	47	118	45
New York	3,555	1,167	3,605	1,282	3,348	1,182	3,130	1,148	3,122	1,163
North Carolina	823	156	816	205	800	137	824	198	800	242
North Dakota	211	20	249	15	185	22	212	20	251	53
Ohio	1,364	372	1,577	523	1,668	459	1,861	546	1,856	530
Oklahoma	359	53	376	65	364	58	396	57	378	64
Oregon	259	49	230	60	283	70	357	91	377	89
Pennsylvania	2,198	523	2,355	715	2,565	690	2,624	667	2,555	742
Rhode Island	314	62	349	88	329	67	337	58	317	103
South Carolina	328	96	385	102	353	89	536	173	441	87
South Dakota	197	14	210	26	193	19	190	15	189	32
Tennessee	559	111	623	143	667	178	711	174	617	168
Texas	1,811	431	1,887	635	1,903	463	1,754	461	1,700	468
Utah	208	80	367	213	240	93	252	84	255	63
Vermont	103	35	96	23	120	45	101	29	106	28
Virginia	771	232	856	233	836	242	798	225	757	229
Washington	593	132	559	123	619	123	589	128	596	143
West Virginia	261	103	315	157	284	113	302	139	316	171
Wisconsin	1,142	240	1,191	259	1,125	227	1,068	120	1,228	283
Wyoming	29	5	35	4	47	11	69	17	49	10
American Samoa	0	0	0	0	0	0	0	0	0	0
Guam	0	0	0	0	2	2	0	0	1	1
Puerto Rico	755	212	674	182	883	198	930	305	769	216
Virgin Islands	0	0	0	0	0	0	10	6	9	2

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Totals include RNs in basic programs, RNs in BRN programs, and basic BSN students.

MEN AND MINORITY STUDENTS

- Eighty-one percent (1,192) of all basic RN programs reported data on men and minority students. According to region, the response rate to this section of the questionnaire was 81 percent for the North Atlantic, 89 percent for the Midwest, 82 percent for the South, and 80 percent for the West.

- By program type, the response rate for the section on men and minority students was 92 percent for diploma programs, 80 percent for baccalaureate programs, and 80 percent for associate degree programs.

Admissions of Men and Minority Students (Tables 41-45)

- The number of men admitted to basic RN programs stood at 5,302, or 7.2 percent of total admissions in 1986-87. Among regions, the West had the highest proportion of men, 10.2 percent of their annual admissions. The Midwest reported that over 6.3 percent of their annual admissions were men; over 7.2 percent in the South; and 7.3 percent in the North Atlantic (see Table 41).

- Blacks constituted 10.9 percent of total annual admissions to basic RN programs in 1986-87. Programs in the South admitted the highest proportion of black students, 15.1 percent. The North Atlantic reported an admission rate for blacks of 12.1 percent; the Midwest, 7.3 percent; and the West, 5.6 percent (see Table 41).

- Hispanic students represented 3.0 percent of the total annual admissions to basic RN programs. The West reported that 7.2 percent of admissions were Hispanic; the South reported 3 percent; the North Atlantic, 2.8 percent; and the Midwest, slightly over 1 percent (see Table 41).

- Asian students constituted just 2 percent of annual admissions to basic RN programs in 1986-87. The West reported that 6.3 percent of their admissions were Asian, and Asian students made up 1.8 percent of the annual admissions in the North Atlantic. The Midwest and South report 1.3 and 1.2 percent Asian admissions respectively (see Table 41).

- American Indians made up less than 1 percent of all admissions to basic RN programs (see Tables 41 and 45).

- The West reported the highest percentages of admissions of men, Hispanics, Asians, and American Indians across all program types. The South reported the most black students admitted (see Table 41).

- Since 1978, when data on men and minority students was first reported the proportion of each of these groups admitted to basic RN programs has fluctuated. The 1986-87 figures, however, represent an increase in the proportion of men and minorities in almost all categories (see Table 45).

- Associate degree programs reported the largest percentage of male, black, American Indian and Hispanic admissions. Baccalaureate programs reported the most Asian admissions.

Table 41

ADMISSIONS OF MEN AND MINORITY STUDENTS TO ALL BASIC RN PROGRAMS, BY NLN REGIONS AND STATES: 1986-87[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL RN ADMISSIONS[2]	NUMBER OF ADMISSIONS				
			Males	Blacks	Hispanic	Asian	American Indian
United States	**1,192**	**73,283**	**5,302**	**7,974**	**2,156**	**1,476**	**503**
North Atlantic	290	18,603	1,357	2,244	520	328	66
Midwestern	358	21,093	1,341	1,548	235	271	113
Southern	393	24,259	1,752	3,654	731	285	151
Western	151	9,328	852	528	670	592	173
Alabama	28	1,822	124	349	8	13	3
Alaska	2	126	6	4	2	18	20
Arizona	14	884	68	20	54	20	30
Arkansas	19	924	42	136	3	2	5
California	60	4,128	340	409	457	420	39
Colorado	8	569	58	11	32	2	2
Connecticut	16	865	38	77	23	7	1
Delaware	4	213	20	19	0	0	0
District of Columbia	1	30	2	29	0	1	0
Florida	31	2,764	209	506	188	54	11
Georgia	28	1,539	78	275	6	13	1
Hawaii	2	135	6	2	3	20	0
Idaho	6	232	36	1	4	8	3
Illinois	65	3,854	196	527	84	114	6
Indiana	29	1,977	85	82	28	20	5
Iowa	25	1,095	65	10	5	6	8
Kansas	27	742	50	48	18	10	3
Kentucky	21	1,264	76	57	4	4	2
Louisiana	20	1,348	157	233	19	7	6
Maine	8	215	14	2	0	1	0
Maryland	18	939	55	186	22	25	0
Massachusetts	38	2,162	104	121	21	18	0
Michigan	40	2,971	139	235	36	42	22
Minnesota	22	1,342	102	19	9	9	16
Mississippi	19	1,336	98	371	3	2	4
Missouri	41	2,069	181	188	12	18	4
Montana	2	108	22	1	4	2	17
Nebraska	10	712	32	16	9	12	0
Nevada	4	154	37	2	3	4	4
New Hampshire	9	329	18	5	4	1	0
New Jersey	28	1,717	72	227	82	47	0
New Mexico	11	382	46	10	74	2	24
New York	93	8,240	676	1,495	331	162	63
North Carolina	47	2,373	144	404	5	13	18
North Dakota	7	203	28	0	1	1	7
Ohio	62	4,203	337	331	28	38	14
Oklahoma	25	1,156	117	79	16	20	83
Oregon	14	726	69	7	10	76	12
Pennsylvania	84	4,395	366	256	39	55	1
Rhode Island	4	255	36	10	9	16	1
South Carolina	14	732	30	125	3	8	0
South Dakota	6	500	47	3	0	2	21
Tennessee	29	1,890	155	314	10	13	0
Texas	47	3,397	340	314	426	73	12
Utah	3	170	20	—	3	6	0
Vermont	5	182	11	3	1	0	0
Virginia	30	1,787	74	278	18	32	5
Washington	19	1,503	130	57	19	63	20
West Virginia	17	988	53	27	0	6	1
Wisconsin	24	1,435	79	89	15	19	7
Wyoming	6	211	24	4	5	1	2
American Samoa	1	11	—	—	—	0	0
Guam	1	146	—	—	—	0	0
Puerto Rico	14	952	123	1	568	7	0
Virgin Islands	2	36	2	30	1	1	0

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Figures represent only those programs responding to this section of the questionnaire.

Table 42

ADMISSIONS OF MEN AND MINORITY STUDENTS TO BACCALAUREATE PROGRAMS, BY NLN REGION AND STATE: 1986-87[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL BACCALAUREATE ADMISSIONS[2]	NUMBER OF ADMISSIONS				
			Males	Blacks	Hispanic	Asian	American Indian
United States	**370**	**22,089**	**1,560**	**2,164**	**522**	**580**	**130**
North Atlantic	82	4,663	270	414	132	92	3
Midwestern	121	7,276	432	385	81	123	27
Southern	126	7,190	569	1,236	172	113	34
Western	41	2,960	289	129	137	252	66
Alabama	8	735	48	163	4	2	0
Alaska	1	126	6	4	2	7	20
Arizona	4	279	29	6	26	8	15
Arkansas	7	289	17	44	1	1	1
California	16	1,288	96	98	86	158	18
Colorado	3	105	16	4	4	1	2
Connecticut	6	303	13	20	6	3	0
Delaware	1	82	11	0	0	0	0
District of Columbia	1	30	2	29	0	1	0
Florida	12	643	36	129	66	19	0
Georgia	11	445	28	96	1	7	0
Hawaii	1	119	4	2	3	14	0
Idaho	2	44	8	0	2	1	0
Illinois	22	1,1[illegible]	47	127	26	34	2
Indiana	11	882	34	38	11	16	2
Iowa	8	340	12	3	2	4	1
Kansas	9	284	19	13	5	7	3
Kentucky	5	297	26	13	0	2	1
Louisiana	11	706	99	137	8	3	2
Maine	2	83	7	1	0	1	0
Maryland	3	239	15	23	4	14	0
Massachusetts	9	540	20	14	8	5	0
Michigan	11	1,007	41	63	9	29	3
Minnesota	11	437	20	4	6	6	2
Mississippi	7	362	41	164	3	0	4
Missouri	11	569	38	31	5	2	0
Montana	—	—	—	—	—	—	—
Nebraska	6	571	30	14	8	11	0
Nevada	1	43	31	0	1	1	1
New Hampshire	2	67	6	0	4	0	0
New Jersey	5	392	11	46	16	5	0
New Mexico	—	—	—	—	—	—	—
New York	27	1,708	84	233	70	31	2
North Carolina	11	813	65	202	2	4	5
North Dakota	4	162	28	0	1	1	7
Ohio	15	1,126	103	80	10	20	2
Oklahoma	11	372	42	42	8	10	19
Oregon	4	370	27	6	3	23	5
Pennsylvania	27	1,339	94	63	13	24	0
Rhode Island	1	63	20	8	5	2	1
South Carolina	4	210	5	30	0	3	0
South Dakota	2	103	31	0	0	0	1
Tennessee	9	474	43	47	4	4	0
Texas	12	792	54	44	68	24	1
Utah	3	170	20	0	3	6	0
Vermont	1	56	2	0	0	0	0
Virginia	9	587	32	93	3	16	0
Washington	5	338	40	9	7	33	5
West Virginia	6	226	18	9	0	4	1
Wisconsin	11	650	29	12	8	13	4
Wyoming	1	78	12	0	0	0	0
American Samoa	—	—	—	—	—	—	—
Guam	1	146	—	—	—	—	—
Puerto Rico	9	581	103	1	450	7	728
Virgin Islands	1	18	0	16	0	1	0

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Figures represent only those programs responding to this section of the questionnaire.

Table 43

ADMISSIONS OF MEN AND MINORITY STUDENTS TO ASSOCIATE DEGREE PROGRAMS, BY NLN REGION AND STATE: 1986-87[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL ASSOCIATE DEGREE ADMISSIONS[2]	NUMBER OF ADMISSIONS				
			Males	Blacks	Hispanic	Asian	American Indian
United States	**630**	**43,489**	**3,290**	**5,086**	**1,472**	**774**	**353**
North Atlantic	120	10,778	877	1,582	324	178	62
Midwestern	169	11,050	741	976	137	123	76
Southern	232	15,449	1,111	2,147	514	155	109
Western	109	6,212	561	381	497	318	106
Alabama	18	1,053	73	177	4	11	3
Alaska	1	—	0	0	0	11	0
Arizona	10	605	39	14	28	12	15
Arkansas	10	484	17	61	1	1	3
California	43	2,684	242	293	335	240	20
Colorado	5	464	42	7	28	1	0
Connecticut	5	341	16	40	10	2	1
Delaware	2	114	8	17	0	0	0
District of Columbia	—	—	—	—	—	—	—
Florida	18	2,045	171	361	105	33	11
Georgia	16	1,007	50	171	4	5	1
Hawaii	1	16	2	0	0	6	0
Idaho	4	188	18	1	2	7	3
Illinois	29	2,325	133	388	53	68	3
Indiana	12	763	36	34	17	3	3
Iowa	12	494	37	6	3	2	7
Kansas	16	434	30	34	12	3	0
Kentucky	16	967	50	44	4	2	1
Louisiana	6	438	42	54	5	1	1
Maine	5	132	7	1	0	0	0
Maryland	11	582	34	149	18	10	0
Massachusetts	17	1,249	68	93	10	7	0
Michigan	26	1,720	76	149	25	13	18
Minnesota	11	905	82	15	3	3	14
Mississippi	12	974	57	207	0	2	0
Missouri	21	1,004	113	105	3	11	1
Montana	2	108	22	1	4	2	17
Nebraska	1	83	1	2	1	0	0
Nevada	3	111	6	2	2	3	3
New Hampshire	6	248	12	5	0	1	0
New Jersey	7	644	31	70	30	14	0
New Mexico	11	382	46	10	74	2	24
New York	54	6,221	576	1,216	251	123	60
North Carolina	32	1,446	78	196	3	9	12
North Dakota	1	41	0	—	—	—	0
Ohio	26	2,248	176	172	14	14	10
Oklahoma	14	784	75	37	8	10	64
Oregon	10	356	42	1	7	3	7
Pennsylvania	19	1,552	134	136	19	17	1
Rhode Island	1	151	16	1	3	14	0
South Carolina	9	513	25	91	3	5	0
South Dakota	3	293	7	1	0	1	17
Tennessee	15	1,168	97	187	5	8	0
Texas	33	2,475	277	266	342	46	11
Utah	—	—	—	—	—	—	—
Vermont	4	126	9	3	1	0	0
Virginia	12	902	31	129	12	10	2
Washington	14	1,165	90	48	12	30	15
West Virginia	10	611	34	17	0	2	0
Wisconsin	11	740	50	70	6	5	3
Wyoming	5	133	12	4	5	1	2
American Samoa	1	11	—	—	—	—	—
Guam	—	—	—	—	—	—	—
Puerto Rico	5	371	20	0	118	0	0
Virgin Islands	1	18	2	14	1	0	0

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Figures represent only those programs responding to this section of the questionnaire.

Table 44

ADMISSIONS OF MEN AND MINORITY STUDENTS TO DIPLOMA PROGRAMS, BY NLN REGION AND STATE: 1986-87[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL DIPLOMA ADMISSIONS[2]	NUMBER OF ADMISSIONS				
			Males	Blacks	Hispanic	Asian	American Indian
United States	**192**	**7,705**	**452**	**724**	**162**	**122**	**20**
North Atlantic	88	3,162	210	248	64	58	1
Midwestern	68	2,767	168	187	17	25	10
Southern	35	1,620	72	271	45	17	8
Western	1	156	2	18	36	22	1
Alabama	2	34	3	9	0	0	0
Alaska	—	—	—	—	—	—	—
Arizona	—	—	—	—	—	—	—
Arkansas	2	151	8	31	1	0	1
California	1	156	2	18	36	22	1
Colorado	—	—	—	—	—	—	—
Connecticut	5	221	9	17	7	2	0
Delaware	1	17	1	2	0	0	0
District of Columbia	—	—	—	—	—	—	—
Florida	1	76	2	16	17	2	0
Georgia	1	87	0	8	1	1	0
Hawaii	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—
Illinois	14	394	16	12	5	12	1
Indiana	6	322	15	10	0	1	0
Iowa	5	261	16	1	0	0	0
Kansas	2	24	1	1	1	0	0
Kentucky	—	—	—	—	—	—	—
Louisiana	3	204	16	42	6	3	3
Maine	1	0	0	—	0	0	0
Maryland	4	118	6	14	0	1	0
Massachusetts	12	373	16	14	3	6	0
Michigan	3	244	22	23	2	0	1
Minnesota	—	—	—	—	—	—	—
Mississippi	—	—	—	—	—	—	—
Missouri	9	486	30	52	4	5	3
Montana	—	—	—	—	—	—	—
Nebraska	3	58	1	0	0	1	0
Nevada	—	—	—	—	—	—	—
New Hampshire	1	14	—	0	0	0	0
New Jersey	16	681	30	111	36	28	0
New Mexico	—	—	—	—	—	—	—
New York	12	311	16	46	10	8	1
North Carolina	4	114	1	6	0	0	1
North Dakota	2	0	0	0	0	0	0
Ohio	21	829	58	79	4	4	2
Oklahoma	—	—	—	—	—	—	—
Oregon	—	—	—	—	—	—	—
Pennsylvania	38	1,504	138	57	7	14	0
Rhode Island	2	41	0	1	1	0	0
South Carolina	1	9	0	4	0	0	0
South Dakota	1	104	9	2	0	1	3
Tennessee	5	248	15	80	1	1	0
Texas	2	130	9	4	16	3	0
Utah	—	—	—	—	—	—	—
Vermont	—	—	—	—	—	—	—
Virginia	9	298	11	56	3	6	3
Washington	—	—	—	—	—	—	—
West Virginia	1	151	1	1	0	0	0
Wisconsin	2	45	0	7	1	1	0
Wyoming	—	—	—	—	—	—	—
American Samoa	—	—	—	—	—	—	—
Guam	—	—	—	—	—	—	—
Puerto Rico	—	—	—	—	—	—	—
Virgin Islands	—	—	—	—	—	—	—

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Figures represent only those programs responding to this section of the questionnaire.

Table 45

TRENDS IN ADMISSIONS OF MEN AND MINORITY STUDENTS IN BASIC RN PROGRAMS, 1978 TO 1987[1]

YEAR	NUMBER OF PROGRAMS REPORTING	MEN		BLACKS		HISPANIC		ASIAN		AMERICAN INDIAN	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
ALL REPORTING RN PROGRAMS											
1978	1,202	6,359	6.3	7,286	7.3	1,864	1.7	1,352	1.3	*	*
1981	1,276	6,498	7.3	8,531	9.5	2,312	3.0	1,732	2.2	*	*
1984	1,348	7,971	7.0	9,228	8.1	2,877	2.5	1,911	1.7	633	0.6
1985	1,290	6,344	6.3	8,086	8.0	2,495	2.5	1,558	1.5	713	0.7
1986	1,228	5,715	6.6	8,070	9.3	2,398	2.8	1,678	1.9	533	0.6
1987	1,192	5,302	7.2	7,974	10.9	2,158	2.9	1,478	2.0	503	0.7
BACCALAUREATE PROGRAMS											
1978	320	2,199	6.2	2,900	8.2	450	1.3	491	1.4	*	*
1981	333	1,959	7.3	2,797	10.2	480	3.0	780	3.1	*	*
1984	404	2,384	6.4	3,521	9.4	893	2.4	914	2.4	158	0.4
1985	374	1,972	5.9	2,444	7.3	672	2.0	583	1.8	148	0.4
1986	382	1,783	6.0	2,477	8.4	784	2.7	738	2.5	198	0.7
1987	370	1,580	7.1	2,164	9.8	522	2.4	580	2.6	130	0.6
ASSOCIATE DEGREE PROGRAMS											
1978	571	3,133	6.8	3,589	7.7	982	2.1	580	1.3	*	*
1981	654	3,677	7.9	4,983	10.0	1,338	3.3	833	2.1	*	*
1984	695	4,712	8.0	4,784	8.1	1,702	2.9	838	1.4	457	0.8
1985	643	3,540	6.5	4,738	8.8	1,588	2.9	788	1.4	548	1.0
1986	643	3,432	7.1	4,844	10.1	1,434	3.0	788	1.6	331	0.7
1987	630	3,290	7.6	5,086	11.7	1,472	3.4	774	1.8	353	0.8
DIPLOMA PROGRAMS											
1978	311	1,027	5.3	828	4.3	232	1.2	271	1.4	*	*
1981	289	882	5.6	1,072	6.9	225	1.7	119	0.9	*	*
1984	249	875	5.1	921	5.3	282	1.6	161	0.9	20	0.1
1985	243	832	5.9	914	6.5	256	1.8	197	1.4	21	0.1
1986	203	498	5.3	749	7.9	178	1.9	152	1.6	6	0.1
1987	192	452	5.9	724	9.4	162	2.1	122	1.6	20	0.3

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

* "American Indian/Oriental" was one category before 1984.

Higher Degree Nursing Education

DOCTORAL PROGRAMS IN NURSING

Doctoral Programs in Nursing (Tables 46-48)

- The number of doctoral nursing programs in 1987 grew to 45, with the programs distributed among 27 states. Seven new programs opened since 1986—two in the North Atlantic, four in the South, and one in the West (see Table 46).

- The number of doctoral nursing programs grew from 6 in 1968 to the current 45—a 650 percent increase over 20 years. In the last decade, there was an increase of 24 doctoral programs, and in the five-year period from 1983 to 1987, 18 new doctoral programs were opened (see Table 47).

- The number of enrollments in doctoral nursing programs increased 9.4 percent since 1986 (see Table 47).

- The number of enrollments in doctoral nursing programs registered at 2,133 in 1987—an increase of 170 percent over the past decade. Between 1983 and 1987 the number of enrollments increased 42.7 percent (see Table 47).

- The proportion of full-time doctoral students took a notable swing upward to 47.7 percent—the highest level reported since 1982 (see Table 47).

- The North Atlantic and South have the largest groups of doctoral students enrolled—having 28.4 and 33.6 percent of the total respectively. Doctoral students in the Midwest constitute 21.3 percent of total doctoral enrollment; and the West, 16.7 percent (see Table 48).

- All regions reported increases in doctoral enrollments from 1986: South, + 18 percent; West, + 14.1 percent; Midwest, 6.6 percent; and North Atlantic, + .49 percent (see Table 48).

Table 46

DOCTORAL PROGRAMS IN NURSING LOCATED IN NURSING EDUCATION DEPARTMENTS: 1978 TO 1987[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS									
	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
United States	**21**	**22**	**22**	**23**	**25**	**27**	**31**	**33**	**38**	**45**
North Atlantic	7	7	7	8	8	8	9	10	10	12
Midwest	6	6	6	6	7	9	10	10	11	11
South	3	4	4	4	5	5	6	6	10	14
West	5	5	5	5	5	5	6	7	7	8
Alabama	1	1	1	1	1	1	1	1	1	1
Alaska	0	0	0	0	0	0	0	0	0	0
Arizona	1	1	1	1	1	1	1	1	1	1
Arkansas	0	0	0	0	0	0	0	0	0	0
California	1	1	1	1	1	1	2	2	2	3
Colorado	1	1	1	1	1	1	1	1	1	1
Connecticut	0	0	0	0	0	0	0	0	0	0
Delaware	0	0	0	0	0	0	0	0	0	0
District of Columbia	1	1	1	1	1	1	1	1	1	1
Florida	0	0	0	0	0	0	1	1	2	2
Georgia	0	0	0	0	0	0	0	0	1	2
Hawaii	0	0	0	0	0	0	0	0	0	0
Idaho	0	0	0	0	0	0	0	0	0	0
Illinois	2	2	2	2	2	2	2	2	2	2
Indiana	1	1	1	1	1	1	1	1	1	1
Iowa	0	0	0	0	0	0	0	0	0	0
Kansas	0	0	0	0	0	1	1	1	1	1
Kentucky	0	0	0	0	0	0	0	0	0	1
Louisiana	0	0	0	0	0	0	0	0	1	1
Maine	0	0	0	0	0	0	0	0	0	0
Maryland	0	1	1	1	1	1	1	1	1	1
Massachusetts	1	1	1	1	1	1	1	1	1	2
Michigan	2	2	2	2	2	2	2	2	2	2
Minnesota	0	0	0	0	0	1	1	1	1	1
Mississippi	0	0	0	0	0	0	0	0	0	0
Missouri	0	0	0	0	0	0	0	0	0	0
Montana	0	0	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0	0	0	0
Nevada	0	0	0	0	0	0	0	0	0	0
New Hampshire	0	0	0	0	0	0	0	0	0	0
New Jersey	0	0	0	0	0	0	0	0	0	0
New Mexico	0	0	0	0	0	0	0	0	0	0
New York	3	3	3	4	4	4	4	4	4	5
North Carolina	0	0	0	0	0	0	0	0	0	0
North Dakota	0	0	0	0	0	0	0	0	0	0
Ohio	1	1	1	1	1	1	1	1	2	2
Oklahoma	0	0	0	0	0	0	0	0	0	0
Oregon	0	0	0	0	0	0	0	1	1	1
Pennsylvania	2	2	2	2	2	2	3	3	3	3
Rhode Island	0	0	0	0	0	0	0	1	1	1
South Carolina	0	0	0	0	0	0	0	0	0	1
South Dakota	0	0	0	0	0	0	0	0	0	0
Tennessee	0	0	0	0	0	0	0	0	0	0
Texas	2	2	2	2	2	2	2	2	2	2
Utah	1	1	1	1	1	1	1	1	1	1
Vermont	0	0	0	0	0	0	0	0	0	0
Virginia	0	0	0	0	1	1	1	1	2	3
Washington	1	1	1	1	1	1	1	1	1	1
West Virginia	0	0	0	0	0	0	0	0	0	0
Wisconsin	0	0	0	0	1	1	2	2	2	2
Wyoming	0	0	0	0	0	0	0	0	0	0
American Samoa	0	0	0	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0	0	0	0
Puerto Rico	0	0	0	0	0	0	0	0	0	0
Virgin Islands	0	0	0	0	0	0	0	0	0	0

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 47

ENROLLMENTS AND PERCENTAGE CHANGE FROM PREVIOUS YEAR OF NURSES IN DOCTORAL PROGRAMS LOCATED IN NURSING EDUCATION DEPARTMENTS: 1968 TO 1987[1]

ACADEMIC YEAR	NUMBER OF PROGRAMS	ENROLLMENTS					
		Total		Full-Time		Part-Time	
		Number	Percent Change	Number	Percent	Number	Percent
1968	5	258	+23.4	103	39.9	155	60.1
1969	6	286	+10.9	170	59.4	116	40.6
1970	6	312	+9.1	120	38.5	192	61.5
1971	6	293	−6.1	151	51.5	142	48.5
1972	8	402	+37.2	180	44.8	222	55.2
1973	8	375	−6.7	161	42.9	214	57.1
1974	9	482	+28.5	192	39.8	290	60.2
1975	12	506	+5.0	199	39.3	307	60.7
1976	14	632	+24.9	278	44.0	354	56.0
1977	16	790	+25.0	294	37.2	496	62.8
1978	21	789	−0.1	358	45.4	431	54.6
1979	22	980	+24.2	504	51.4	476	48.6
1980	22	1,019	+4.0	603	59.2	416	40.8
1981	23	1,163	+14.1	625	53.7	538	46.3
1982	25	1,342	+15.4	655	48.8	687	51.2
1983	27	1,495	+11.4	685	45.8	810	54.2
1984	31	1,696	+13.4	758	44.7	938	55.3
1985	33	1,788	+5.4	685	38.3	1,103	61.7
1986	38	1,949	+9.0	782	40.0	1,167	60.0
1987	45	2,133	+9.4	1,018	47.7	1,115	52.3

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[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 48

ENROLLMENTS OF REGISTERED NURSES IN DOCTORAL PROGRAMS LOCATED IN NURSING EDUCATION DEPARTMENTS: 1978 TO 1987[1]

NLN REGION AND STATE	NUMBER OF ENROLLMENTS									
	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
United States	**789**	**980**	**1,019**	**1,163**	**1,342**	**1,495**	**1,696**	**1,788**	**1,949**	**2,133**
North Atlantic	441	524	452	450	518	576	643	662	603	606
Midwest	127	170	209	251	275	278	336	384	426	454
South	145	172	212	271	329	409	470	465	607	716
West	76	114	146	191	220	232	247	277	313	357
Alabama	45	49	49	53	60	64	65	71	83	118
Alaska	0	0	0	0	0	0	0	0	0	0
Arizona	10	16	19	20	23	28	34	28	41	45
Arkansas	0	0	0	0	0	0	0	0	0	0
California	42	53	64	92	106	96	105	125	133	162
Colorado	2	13	20	21	22	23	20	18	32	37
Connecticut	0	0	0	0	0	0	0	0	0	0
Delaware	0	0	0	0	0	0	0	0	0	0
District of Columbia	81	91	74	71	1	68	70	76	71	57
Florida	0	0	0	0	0	0	6	20	44	59
Georgia	0	0	0	0	0	0	0	0	9	31
Hawaii	0	0	0	0	0	0	0	0	0	0
Idaho	0	0	0	0	0	0	0	0	0	0
Illinois	51	65	79	87	79	103	90	137	152	137
Indiana	10	26	40	67	73	51	50	57	58	56
Iowa	0	0	0	0	0	0	0	0	0	0
Kansas	0	0	0	0	0	7	12	19	23	28
Kentucky	0	0	0	0	0	0	0	0	0	10
Louisiana	0	0	0	0	0	0	0	0	17	20
Maine	0	0	0	0	0	0	0	0	0	0
Maryland	0	7	16	25	37	44	49	45	59	60
Massachusetts	38	49	49	62	58	54	59	52	44	43
Michigan	48	59	65	71	84	65	109	76	79	96
Minnesota	0	0	0	0	0	3	7	16	16	20
Mississippi	0	0	0	0	0	0	0	0	0	0
Missouri	0	0	0	0	0	0	0	0	0	0
Montana	0	0	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0	0	0	0
Nevada	0	0	0	0	0	0	0	0	0	0
New Hampshire	0	0	0	0	0	0	0	0	0	0
New Jersey	0	0	0	0	0	0	0	0	0	0
New Mexico	0	0	0	0	0	0	0	0	0	0
New York	285	336	274	249	313	363	393	387	329	328
North Carolina	0	0	0	0	0	0	0	0	0	0
North Dakota	0	0	0	0	0	0	0	0	0	0
Ohio	18	20	25	25	38	47	58	64	76	85
Oklahoma	0	0	0	0	0	0	0	0	0	0
Oregon	0	0	0	0	0	0	0	0	18	26
Pennsylvania	37	48	55	68	76	91	121	142	148	164
Rhode Island	0	0	0	0	0	0	0	5	11	14
South Carolina	0	0	0	0	0	0	0	0	0	10
South Dakota	0	0	0	0	0	0	0	0	0	0
Tennessee	0	0	0	0	0	0	0	0	0	0
Texas	100	116	147	193	224	289	338	303	345	350
Utah	14	16	19	29	35	47	48	56	51	46
Vermont	0	0	0	0	0	0	0	0	0	0
Virginia	0	0	0	0	8	12	12	26	50	58
Washington	8	16	24	29	34	38	40	40	38	41
West Virginia	0	0	0	0	0	0	0	0	0	0
Wisconsin	0	0	0	1	1	2	10	10	22	32
Wyoming	0	0	0	0	0	0	0	0	0	0
American Samoa	0	0	0	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0	0	0	0
Puerto Rico	0	0	0	0	0	0	0	0	0	0
Virgin Islands	0	0	0	0	0	0	0	0	0	0

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Graduations from Doctoral Nursing Programs (Table 49)

- In 1986–87, 257 students graduated from doctoral nursing programs. This figure represents a 3.2 percent increase over the previous year.

- A decade ago, only 53 doctoral graduates were reported. The increase over the ten-year period amounts to 385 percent. In the last five years, the number of graduates from doctoral programs grew almost 85 percent.

- The South had the largest proportion of doctoral graduates, with over 34 percent of the total. The North Atlantic followed, with 31.1 percent, while the Midwest reported 19.8 percent and the West, 14.8 percent of all doctoral graduations.

- A total of 1,563 doctorates in nursing were granted within the last ten years.

- The number of doctoral graduates rose 12.8 percent in the South and 6.7 percent in the North Atlantic. The West and Midwest, on the other hand, both reported decreases in doctoral graduations. They were down 13.6 and 1.9 percent respectively.

Table 49

GRADUATIONS OF REGISTERED NURSES FROM DOCTORAL PROGRAMS LOCATED IN NURSING EDUCATION DEPARTMENTS: 1977-78 TO 1986-87[1]

NLN REGION AND STATE	NUMBER OF GRADUATIONS									
	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
United States	**53**	**101**	**125**	**121**	**137**	**139**	**183**	**198**	**249**	**257**
North Atlantic	36	69	85	62	59	45	67	56	75	80
Midwest	5	6	13	22	37	33	36	45	52	51
South	7	17	19	23	23	36	60	65	78	88
West	5	9	8	14	18	25	20	32	44	38
Alabama	0	2	10	8	8	12	16	13	11	14
Alaska	0	0	0	0	0	0	0	0	0	0
Arizona	0	1	1	3	3	2	5	3	7	7
Arkansas	0	0	0	0	0	0	0	0	0	0
California	5	8	7	9	6	9	10	21	16	10
Colorado	0	0	0	0	2	7	4	2	4	1
Connecticut	0	0	0	0	0	0	0	0	0	0
Delaware	0	0	0	0	0	0	0	0	0	0
District of Columbia	5	6	14	9	7	5	9	8	13	9
Florida	0	0	0	0	0	0	0	0	0	2
Georgia	0	0	0	0	0	0	0	0	0	0
Hawaii	0	0	0	0	0	0	0	0	0	0
Idaho	0	0	0	0	0	0	0	0	0	0
Illinois	1	1	6	8	14	11	12	20	18	16
Indiana	0	0	0	3	12	5	10	6	10	14
Iowa	0	0	0	0	0	0	0	0	0	0
Kansas	0	0	0	0	0	0	0	0	1	1
Kentucky	0	0	0	0	0	0	0	0	0	0
Louisiana	0	0	0	0	0	0	0	0	0	0
Maine	0	0	0	0	0	0	0	0	0	0
Maryland	0	0	0	0	0	0	2	5	5	5
Massachusetts	1	6	3	2	8	5	8	4	7	5
Michigan	3	4	4	8	8	13	8	13	13	8
Minnesota	0	0	0	0	0	0	0	0	0	0
Mississippi	0	0	0	0	0	0	0	0	0	0
Missouri	0	0	0	0	0	0	0	0	0	0
Montana	0	0	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0	0	0	0
Nevada	0	0	0	0	0	0	0	0	0	0
New Hampshire	0	0	0	0	0	0	0	0	0	0
New Jersey	0	0	0	0	0	0	0	0	0	0
New Mexico	0	0	0	0	0	0	0	0	0	0
New York	27	51	61	47	38	27	44	36	46	56
North Carolina	0	0	0	0	0	0	0	0	0	0
North Dakota	0	0	0	0	0	0	0	0	0	0
Ohio	1	1	3	3	3	4	6	6	10	11
Oklahoma	0	0	0	0	0	0	0	0	0	0
Oregon	0	0	0	0	0	0	0	0	0	0
Pennsylvania	3	6	7	4	6	8	6	8	9	10
Rhode Island	0	0	0	0	0	0	0	0	0	0
South Carolina	0	0	0	0	0	0	0	0	0	0
South Dakota	0	0	0	0	0	0	0	0	0	0
Tennessee	0	0	0	0	0	0	0	0	0	0
Texas	7	15	9	15	15	24	39	46	61	65
Utah	0	0	0	2	5	4	1	3	8	12
Vermont	0	0	0	0	0	0	0	0	0	0
Virginia	0	0	0	0	0	0	0	0	1	2
Washington	0	0	0	0	2	3	3	1	9	8
West Virginia	0	0	0	0	0	0	0	0	0	0
Wisconsin	0	0	0	0	0	0	0	0	0	1
Wyoming	0	0	0	0	0	0	0	0	0	0
American Samoa	0	0	0	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0	0	0	0
Puerto Rico	0	0	0	0	0	0	0	0	0	0
Virgin Islands	0	0	0	0	0	0	0	0	0	0

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

MASTER'S PROGRAMS IN NURSING

Master's Programs in Nursing (Table 50)

- The number of master's programs in nursing totaled 194 in 1987—an increase of 5 programs (2.7%) since 1986. The number of master's programs increased 26 percent since 1983 and grew 66 percent in the last decade.

- The South reported the largest proportion of master's programs—29 percent of the total. The North Atlantic reported 27 percent of the master's programs; the Midwest, 26 percent; and the West, 18 percent.

Table 50

MASTER'S PROGRAMS IN NURSING, BY NLN REGION AND STATE: 1978 TO 1987[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS									
	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
United States	**117**	**125**	**135**	**140**	**151**	**154**	**166**	**167**	**189**	**194**
North Atlantic	29	29	32	34	37	37	42	42	48	52
Midwest	31	32	34	37	40	40	44	44	52	51
South	38	44	46	46	50	51	54	54	56	56
West	19	20	23	23	24	26	26	27	33	35
Alabama	1	1	2	2	3	3	4	4	4	4
Alaska	—	—	—	1	1	1	1	1	1	1
Arizona	2	2	2	2	2	2	2	2	2	2
Arkansas	2	2	2	2	2	2	2	2	2	2
California	8	8	8	8	9	9	11	11	16	17
Colorado	1	1	2	2	2	2	1	1	2	2
Connecticut	2	2	2	2	2	2	3	3	5	5
Delaware	1	1	1	1	1	1	1	1	1	1
District of Columbia	1	1	3	3	3	3	3	3	3	3
Florida	2	2	3	3	3	3	4	4	5	5
Georgia	3	3	3	3	3	3	4	4	4	4
Hawaii	1	1	1	1	1	1	1	1	1	1
Idaho	—	1	1	1	1	1	1	1	1	1
Illinois	7	7	7	7	7	7	8	8	10	10
Indiana	3	3	3	3	4	4	4	4	6	6
Iowa	1	1	1	1	1	1	1	1	2	2
Kansas	2	2	2	2	2	2	2	2	2	2
Kentucky	1	1	1	1	2	2	3	3	4	4
Louisiana	3	3	3	3	3	3	2	2	2	2
Maine	—	—	—	—	1	1	1	1	1	1
Maryland	1	1	1	1	2	2	2	2	2	2
Massachusetts	5	5	4	4	6	6	6	6	6	7
Michigan	3	3	3	4	5	5	6	6	9	8
Minnesota	2	2	2	2	2	2	3	3	3	3
Mississippi	3	3	3	3	3	3	3	3	3	3
Missouri	3	3	3	3	3	3	3	3	3	3
Montana	1	1	1	1	1	1	1	1	1	1
Nebraska	1	1	1	2	2	2	2	2	2	2
Nevada	1	1	1	1	1	1	1	1	2	2
New Hampshire	—	—	—	—	—	—	—	—	1	1
New Jersey	2	2	2	2	2	2	2	2	2	2
New Mexico	—	—	1	1	1	1	1	1	1	1
New York	13	13	13	13	13	14	15	16	17	18
North Carolina	5	5	5	5	6	6	6	6	6	6
North Dakota	—	—	—	—	1	1	2	2	2	2
Ohio	5	6	7	7	7	7	7	7	7	7
Oklahoma	1	2	2	2	2	2	2	2	2	2
Oregon	2	2	2	2	2	2	2	2	2	2
Pennsylvania	4	5	6	7	7	7	9	9	11	13
Rhode Island	1	1	1	1	1	1	1	1	1	1
South Carolina	2	3	3	3	3	3	3	3	3	3
South Dakota	—	—	1	1	1	1	1	1	1	1
Tennessee	3	3	3	3	3	3	3	3	3	3
Texas	8	9	9	9	9	9	9	9	9	9
Utah	2	2	2	2	2	2	2	2	2	2
Vermont	—	—	—	—	—	—	—	—	—	—
Virginia	2	4	5	5	5	6	6	6	6	6
Washington	1	1	1	1	1	2	2	2	2	2
West Virginia	1	1	1	1	1	1	1	1	1	1
Wisconsin	4	4	4	5	5	5	5	5	5	5
Wyoming	—	—	1	1	1	1	1	1	1	1
American Samoa	—	—	—	—	—	—	—	—	—	—
Guam	—	—	—	—	—	—	—	—	—	—
Puerto Rico	2	2	2	2	2	2	2	2	1	2
Virgin Islands	—	—	—	—	—	—	—	—	—	—

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Enrollments of Nurses in Master's Programs (Tables 51-53)

- Enrollments in master's nursing programs continue to rise and now stand at 21,195. This 6.2 percent increase over the previous year demonstrates a slightly higher rate of growth in master's programs enrollments than was seen over the past few years.

- In the last five years, enrollments in master's programs increased from 18,112 to 21,195—a 17.0 percent increase. In view of the increased demand for clinical specialists, administrators, and researchers, these increases are encouraging.

- The percentage of master's programs accredited by NLN increased to 91.6 percent in 1987 (see Table 51).

- The proportion of full-time enrollments in master's programs leveled off this year after two decades of steady decline. While the North Atlantic and the West report slight drops in the percentage of full-time students, the Midwest and South reported minor increases in the number of full-time master's students (see Table 52).

- The North Atlantic reported an 8.4 percent increase in the number of master's enrollments, and the South registered an increase of 7.4 percent. The West registered an increase of 7.1 percent while the Midwest reported a small increase (1.9%) in enrollments (see Table 52).

- A regional breakdown of enrollments in master's programs indicated that the North Atlantic represents 30 percent of the total, the South has 28 percent, the Midwest has 26 percent and the West has 16 percent of the master's enrollments (Table 53).

Table 51

ENROLLMENTS OF NURSES IN MASTER'S PROGRAMS AND PERCENTAGE IN NLN-ACCREDITED PROGRAMS: 1968 TO 1987[1]

ACADEMIC YEAR	PROGRAMS		ENROLLMENTS					
			Total		Full-Time		Part-Time	
	Number	Percent Accredited	Number	Percent Accredited	Number	Percent Accredited	Number	Percent Accredited
1968	66	74.2	4,018	92.7	3,034	94.1	984	88.2
1969	70	71.4	4,443	89.4	3,346	91.8	1,097	81.8
1970	73	72.6	4,765	87.5	3,529	92.9	1,236	72.1
1971	79	72.2	5,405	89.3	3,925	93.0	1,480	79.6
1972	86	67.4	6,342	88.4	4,324	92.6	2,018	79.2
1973	86	74.4	6,786	89.0	4,159	95.0	2,627	79.6
1974	88	69.6	7,924	86.7	4,462	90.7	3,462	81.4
1975	99	69.0	9,662	90.6	5,402	93.4	4,260	87.1
1976	103	67.9	10,809	88.4	5,924	92.5	4,885	83.4
1977	112†	66.4	12,143	86.8	6,112	92.5	6,031	81.0
1978	117	68.1	13,105	87.0	6,561	91.5	6,544	82.5
1979	125	72.4	14,130	87.8	6,891	91.8	7,239	83.9
1980	135	66.4	15,053	86.3	7,306	89.0	7,747	83.7
1981	140	65.5	16,125	85.2	7,000	87.3	9,125	83.6
1982	151	78.1	17,085	91.1	6,389	96.0	10,696	88.2
1983	154	77.5	18,112	87.6	6,478	89.8	11,634	86.3
1984	166	82.7	18,822	95.1	6,587	93.0	12,235	97.3
1985	167	83.1	19,315	93.3	6,057	98.1	13,258	91.2
1986	189	74.6	19,958	87.3	5,664	94.6	14,294	82.3
1987	194	91.6	21,195	90.8	6,113	93.5	15,082	89.4

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

† One school shown in the total number of programs reported no enrollments for 1977.

Table 52

ENROLLMENTS OF NURSES IN MASTER'S PROGRAMS, PERCENTAGE CHANGE FROM PREVIOUS YEAR, AND PERCENTAGE ENROLLED FULL TIME, BY NLN REGION: 1968 TO 1987[1]

YEAR	ALL REGIONS				NORTH ATLANTIC				MIDWESTERN				SOUTHERN				WESTERN			
	Number of Programs	Enrollments			Number of Programs	Enrollments			Number of Programs	Enrollments			Number of Programs	Enrollments			Number of Programs	Enrollments		
		Number	Percent Change	Percent Full Time		Number	Percent Change	Percent Full Time		Number	Percent Change	Percent Full Time		Number	Percent Change	Percent Full Time		Number	Percent Change	Percent Full Time
1968	66	4,018	+13.8	75.5	20	1,817	+11.3	69.5	21	821	+12.0	82.7	14	569	+31.1	73.5	11	711	+10.7	83.1
1969	70	4,443	+10.6	75.3	20	1,957	+7.7	71.0	21	976	+6.0	78.7	15	694	+22.0	77.1	14	816	+14.8	80.0
1970	73	4,765	+7.2	74.1	21	1,850	-5.5	72.1	21	1,020	+4.5	79.4	16	829	+19.5	74.4	15	1,066	+30.6	72.1
1971	79	5,405	+13.4	72.6	23	2,021	+9.2	70.8	23	1,257	+23.2	75.2	18	975	+17.6	71.8	15	1,152	+8.1	74.0
1972	86	6,342	+17.3	68.2	24	2,238	+10.7	70.2	25	1,417	+12.7	71.5	21	1,179	+20.9	66.7	16	1,508	+30.9	63.3
1973	86	6,786	+7.0	61.3	21	2,689	+20.2	57.7	28	1,583	+11.7	62.9	23	1,244	+5.5	56.4	16	1,270	-15.8	71.7
1974	92	7,924	+16.8	56.3	21	2,689	0.0	52.5	28	1,961	+23.9	58.2	24	1,834	+47.4	51.4	19	1,440	+13.4	67.2
1975	100	9,662	+21.9	55.9	24	3,337	+24.1	51.5	28	2,252	+14.8	54.6	29	2,358	+28.6	52.3	19	1,715	+19.1	71.7
1976	108	10,809	+11.9	54.8	26	3,853	+15.5	50.8	28	2,409	+7.0	55.0	33	2,805	+19.0	51.1	19	1,742	+1.6	69.3
1977	114†	12,143	+12.3	50.3	26	3,994	+3.7	50.4	31**	3,001	+24.6	47.2	40	3,281	+17.0	43.6	17	1,867	+7.2	67.3
1978	119	13,105	+7.9	50.1	29	4,344	+8.8	48.9	31	3,129	+4.3	45.1	40	3,454	+5.3	46.0	19	2,178	+16.7	65.8
1979	127	14,130	+7.8	48.8	29	4,068	-6.4	48.5	32	3,796	+21.3	44.6	46	3,942	+14.1	42.5	20	2,324	+6.7	66.7
1980	137	15,053	+6.5	48.5	32	4,472	+9.9	51.1	34	4,146	+9.2	40.0	48	3,964	+0.6	43.6	23	2,471	+6.3	65.0
1981	142	16,125	+7.1	43.4	34	4,848	+8.4	43.8	37	4,254	+2.6	35.9	48	4,390	+10.7	41.3	25	2,633	+6.6	58.4
1982	151	17,085	+6.3	37.4	37	5,344	+10.2	33.2	40	4,467	+5.0	29.0	52	4,561	+5.2	38.2	24	2,713	+3.0	57.7
1983	154	18,112	+6.5	34.6	37	5,830	+9.1	30.0	40	4,980	+4.8	27.2	51	4,807	+7.3	36.0	26	2,593	-4.4	59.1
1984	166	18,822	+3.9	35.0	42	5,861	+0.5	26.9	44	4,780	+2.1	35.5	54	5,403	+12.4	29.7	26	2,778	+7.1	61.6
1985	167	19,315	+2.6	31.4	42	5,837	-0.4	23.4	44	5,327	+11.4	24.6	54	5,330	-1.4	34.0	27	2,821	+1.5	44.2
1986	189	19,958	+3.3	28.4	48	5,883	+0.7	21.9	52	5,400	+1.4	20.1	56	5,590	+4.9	32.4	33	3,085	+9.4	47.9
1987	194	21,195	+6.2	28.7	52	6,380	+8.4	20.7	51	5,505	+1.9	21.5	56	6,004	+7.4	33.7	35	3,306	+7.1	47.5

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

** A previously unreported program was included.

† One school shown in the total number of programs reported no enrollments for 1977.

Table 53

ENROLLMENTS OF REGISTERED NURSES IN MASTER'S PROGRAMS IN NURSING, BY NLN REGION AND STATE: 1978 TO 1987[1]

NLN REGION AND STATE	NUMBER OF ENROLLMENTS IN MASTER'S PROGRAMS									
	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
United States	**13,087**	**14,096**	**14,994**	**15,993**	**17,004**	**18,112**	**18,822**	**19,315**	**19,958**	**21,195**
North Atlantic	4,344	4,068	4,472	4,848	5,344	5,830	5,861	5,837	5,883	6,380
Midwest	3,129	3,796	4,146	4,254	4,467	4,680	4,780	5,327	5,400	5,505
South	3,436	3,908	3,905	4,258	4,480	4,807	5,403	5,330	5,590	6,004
West	2,178	2,324	2,471	2,633	2,713	2,593	2,778	2,821	3,0085	3,306
Alabama	271	311	295	375	367	296	388	356	369	446
Alaska	—	—	—	12	25	12	14	27	18	18
Arizona	224	251	279	299	278	229	236	229	246	263
Arkansas	78	110	111	128	108	115	115	147	154	159
California	1,080	1,109	1,161	1,233	1,394	1,323	1,460	1,430	1,640	1,692
Colorado	201	175	171	165	192	164	191	207	200	262
Connecticut	226	218	277	276	289	288	290	394	439	472
Delaware	51	47	77	81	109	89	76	97	87	73
District of Columbia	370	321	340	332	355	348	349	373	328	305
Florida	98	130	177	204	275	381	409	474	497	513
Georgia	266	256	270	276	273	330	351	352	404	428
Hawaii	66	51	50	56	63	63	46	49	55	52
Idaho	—	16	19	26	31	32	20	30	49	41
Illinois	809	874	951	920	914	908	834	779	936	1,005
Indiana	365	576	571	564	604	501	474	676	519	703
Iowa	72	86	100	95	96	107	111	173	209	285
Kansas	288	303	322	323	354	328	290	321	287	265
Kentucky	75	78	100	109	112	88	144	142	180	147
Louisiana	79	136	190	230	218	257	267	265	235	220
Maine	—	—	—	—	31	51	64	67	78	50
Maryland	354	369	387	402	422	447	430	388	398	394
Massachusetts	486	529	542	590	525	562	655	662	489	657
Michigan	281	447	512	635	642	693	676	783	957	748
Minnesota	259	268	259	223	250	238	238	214	172	164
Mississippi	90	83	61	73	100	104	104	113	115	128
Missouri	208	255	283	263	289	339	393	399	426	452
Montana	18	26	26	23	18	16	13	11	22	24
Nebraska	107	105	97	125	127	141	119	115	120	77
Nevada	—	12	33	28	33	45	39	18	34	65
New Hampshire	—	—	—	—	—	—	—	—	35	54
New Jersey	264	289	313	280	300	349	362	377	276	345
New Mexico	—	—	32	44	42	47	44	51	35	59
New York	2,261	2,147	2,189	2,369	2,525	2,804	2,769	2,527	2,803	2,827
North Carolina	264	295	228	359	359	315	599	360	412	501
North Dakota	—	—	—	—	17	26	122	90	101	92
Ohio	462	543	558	616	749	888	1,007	1,201	1,064	1,113
Oklahoma	94	107	122	130	152	191	189	150	162	163
Oregon	113	180	137	188	158	158	174	181	173	224
Pennsylvania	643	666	674	851	1,123	1,263	1,231	1,267	1,260	1,507
Rhode Island	43	51	60	57	62	76	65	73	88	90
South Carolina	159	187	185	183	192	216	220	268	308	368
South Dakota	—	—	49	29	35	66	52	55	76	58
Tennessee	193	201	258	184	216	245	241	325	308	379
Texas	1,184	1,109	1,078	1,152	1,081	1,220	1,345	1,343	1,356	1,389
Utah	166	161	226	248	228	219	185	230	257	238
Vermont	—	—	—	—	—	—	—	—	—	—
Virginia	192	291	409	399	487	505	485	544	582	699
Washington	310	343	333	317	264	265	326	308	304	312
West Virginia	39	45	34	54	118	97	116	103	110	70
Wisconsin	327	348	435	425	417	433	464	521	533	543
Wyoming	—	—	4	6	12	20	30	50	52	56
American Samoa	—	—	—	—	—	—	—	—	—	—
Guam	—	—	—	—	—	—	—	—	—	—
Puerto Rico	18	34	59	132	81	202	151	134	95	155
Virgin Islands	—	—	—	—	—	—	—	—	—	—

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Full-Time Enrollments in Master's Programs, by Functional Area (Table 54)

- Advanced clinical practice continues to attract the largest proportion of full-time students—73.2 percent of the total. (Note: Students enrolled in nurse practitioner programs are included in this category.)

- The percentage of full-time students preparing to teach stands at 9.4 percent of the total in 1987. Full-time enrollments in administration/management has remained stable at 17 percent of the total.

Table 54

FULL-TIME ENROLLMENTS OF NURSES IN MASTER'S PROGRAMS, BY FUNCTIONAL AREA OF STUDY: 1978 TO 1987[1]

YEAR	FULL-TIME ENROLLMENTS BY FUNCTIONAL AREA OF STUDY									
	Total Full Time		Teaching		Administration/ Management		Advanced Clinical Practice		Other	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1978	6,561	100.0	882	13.4	501	7.6	4,878	74.4	300	4.4
1979	6,881	100.0	832	12.1	451	6.5	5,200	75.5	405	5.9
1980	7,306	100.0	923	12.6	579	7.9	5,480	75.0	324	4.5
1981	7,000	100.0	732	10.5	596	8.5	5,418	77.4	254	3.6
1982	6,380	100.0	638	9.8	770	12.2	4,863	76.1	118	1.8
1983	6,478	100.0	873	13.5	784	12.1	4,638	71.6	182	2.8
1984	5,708*	100.0*	382	6.7	636	11.1	4,620	81.0	67	1.2
1985	6,057	100.0	485	8.0	806	13.3	4,651	76.8	115	1.9
1986	5,664	100.0	517	9.1	970	17.2	4,097	72.3	80	1.4
1987	6,113	100.0	575	9.4	1,033	16.9	4,475	73.2	30	0.5

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

* Eight programs did not respond to this section of the questionnaire.

Full-Time Enrollments in Master's Programs, by Nursing Content Area (Tables 55 and 55a)

- Of those who plan to be advanced clinical specialists, medical-surgical nursing attracted the largest percentage of full-time enrollments (31.2%) (see Table 55).

- The area of maternal-child nursing has fallen over the past year and now represents 20.8 percent of full-time enrollments in advanced clinical practice (see Table 55).

- The percentage of full-time students studying psychiatric and mental health nursing has risen slightly to just over 11 percent of those enrolled in advanced clinical practice. Community health nursing enrollment now stands at about 14 percent (approximately the early 1980s level) and gerontology at 5.1 percent (see Table 55).

- Of the 569 full-time enrollments in teaching, 38.8 percent are specializing in medical-surgical. Maternal-child and community health have 17.6 and 12.5 percent of the full-time teaching enrollments respectively; only 6.3 percent are prepared to teach in psychiatric-mental health and 2.3 in gerontology (see Table 55a).

Table 55

FULL-TIME ENROLLMENTS IN ADVANCED CLINICAL PRACTICE BY NURSING CONTENT AREA: 1978 TO 1987[1]

YEAR	FULL TIME ENROLLMENTS BY NURSING CONTENT AREA													
	TOTAL		MEDICAL-SURGICAL		MATERNAL-CHILD		PSYCHIATRIC MENTAL HEALTH		COMMUNITY HEALTH		GERONTOLOGY†		OTHER (nursing service, public policy) or NOT DESIGNATED	
	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total
1978	4,878	100.0	1,430	29.3	984	20.2	946	19.4	382	7.8	—	—	1,136	23.3
1979	5,203	100.0	1,891	36.3	1,279	24.6	941	18.1	796	15.3	—	—	296	5.7
1980	5,480	100.0	2,020	36.9	1,255	22.9	1,049	19.1	845	15.4	—	—	311	5.7
1981	5,418	100.0	1,856	34.3	1,287	23.7	850	15.7	787	14.5	—	—	638	11.8
1982	4,863	100.0	1,672	34.4	1,038	21.3	760	15.6	765	15.7	—	—	628	13.0
1983	4,639	100.0	1,740	37.5	818	17.6	669	14.4	801	17.3			611	13.2
1984[2]	5,451*	100.0*	1,696	31.1	1,458	26.8	677	12.4	408	7.5	—	—	1,212	22.2
1985	4,651	100.0	1,739	37.4	1,260	27.1	567	12.2	744	16.0	—	—	341	7.3
1986	4,097	100.0	1,259	30.8	1,562	38.1	402	9.8	611	14.9	—	—	263	6.4
1987	4,464	100.0	1,393	31.2	928	20.8	500	11.2	634	14.2	2,281	5.1	781	17.5

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[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] In 1984, all students preparing for a nursing content area were included. Since the overwhelming majority of students are preparing for advanced clinical practice (see Table 64) the 1984 entries still reflect trends in this data.

* Eight programs did not respond to this section of the questionnaire.

† 1987 is the first year that data on gerontology have been collected.

Table 55a

FULL-TIME ENROLLMENTS IN TEACHING BY NURSING CONTENT AREA: 1985-87

YEAR	FULL TIME ENROLLMENTS BY NURSING CONTENT AREA													
	TOTAL		MEDICAL SURGICAL		MATERNAL CHILD		PSYCHIATRIC MENTAL HEALTH		COMMUNITY HEALTH		GERONTOLOGY†		OTHER (nursing service, public policy) or NOT DESIGNATED	
	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total
1985	485	100.0	236	48.5	101	20.8	46	9.5	53	11.0	—	—	49	10.2
1986	517	100.0	264	51.0	73	14.1	25	4.9	73	14.1	—	—	82	15.9
1987	573	100.0	222	38.8	101	17.6	36	6.3	72	12.5	13	2.3	129	22.5

† 1987 is the first year that data on gerontology have been collected.

Part-Time Enrollments in Master's Programs, by Functional Area of Study (Table 56)

- Advanced clinical practice continues to attract the largest group of part-time master's students—61 percent of the total. The percentage of part-time students preparing for administration has risen slightly to 22.9 percent, whereas the percentage preparing to teach dropped to 15.6 percent.

- Despite fluctuations the pattern of enrollments in the various functional areas has not shifted dramatically over the past decade for either full- or part-time students (see also Table 54). Advanced clinical practice is attracting the largest group, and administration/management hold a second place while teaching is the third most popular choice.

Table 56

PART-TIME ENROLLMENTS OF NURSES IN MASTER'S PROGRAMS, BY FUNCTIONAL AREA OF STUDY: 1978 TO 1987[1]

YEAR	PART-TIME ENROLLMENTS BY FUNCTIONAL AREA OF STUDY									
	Total Part-Time		Teaching		Administration/ Management		Advanced Clinical Practice		Other	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1978	6,544	100.0	1,139	17.4	766	11.7	3,665	56.0	974	14.9
1979	7,239	100.0	1,346	18.6	666	9.2	3,996	55.2	1,231	17.0
1980	7,747	100.0	1,270	16.4	806	10.4	4,788	61.8	883	11.4
1981	9,125	100.0	1,506	16.5	1,122	12.3	5,484	60.1	1,013	11.1
1982	10,696	100.0	2,021	18.9	1,583	14.8	6,525	61.0	567	5.3
1983	11,634	100.0	2,367	20.3	2,107	18.1	6,442	55.4	718	6.2
1984	11,725*	100.0*	1,415	12.1	1,775	15.1	7,950	67[illegible]	582	5.0
1985	13,258	100.0	1,286	9.7	2,890	21.8	8,843	66.[illegible]	239	1.8
1986	14,294	100.0	3,149	22.0	3,124	21.9	7,976	55.8	41	0.3
1987	15,082	100.0	2,353	15.6	3,454	22.9	9,260	61.4	15	0.1

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

* Eight programs did not respond to this section of the questionnaire.

Part-Time Enrollments in Master's Programs, by Nursing Content Area (Tables 56a and 56b)

- Medical-surgical attracts the greatest number of part-time enrollment with over 76 percent of those preparing for advanced clinical practice and 23.7 percent preparing to teach.

- Maternal-child is the second most popular area comprising 14 percent of all part-time master's program enrollments.

- Of those preparing for advanced practice, 11 percent are specializing in community health and 12.4 percent in psychiatric-mental health (see Table 56a). Of those preparing to teach, about 4 percent are specializing in psychiatric-mental health and 16.9 percent in community nursing (see Table 56b).

Table 56a

PART-TIME ENROLLMENTS OF NURSES IN ADVANCED CLINICAL PRACTICE, BY NURSING CONTENT AREA: 1985-87

YEAR	PART-TIME ENROLLMENTS BY NURSING CONTENT AREA													
	Total Part-Time		Medical-Surgical		Maternal-Child		Psychiatric-Mental Health		Community Health		Gerontology†		Other	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1985	8,843	100.0	4,192	47.4	2,106	23.8	982	11.1	1,070	12.1	—	—	493	5.6
1986	7,976	100.0	3,505	44.0	1,639	20.5	1,000	12.5	1,046	13.1	—	—	786	9.9
1987	9,260	100.0	2,935	31.7	1,306	14.1	1,148	12.4	1,028	11.1	639	6.9	2,204	23.8

† 1987 is the first year that data on gerontology have been collected.

Table 56b

PART-TIME ENROLLMENTS OF NURSES IN TEACHING, BY NURSING CONTENT AREA: 1985-87

YEAR	PART-TIME ENROLLMENTS BY NURSING CONTENT AREA													
	Total Part-Time		Medical-Surgical		Maternal-Child		Psychiatric-Mental Health		Community Health		Gerontology†		Other	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1985	1,286	100.0	625	48.6	249	19.4	92	7.1	86	6.7	—	—	234	18.2
1986	3,149	100.0	1,306	41.5	1,059	33.6	279	8.9	283	9.0	—	—	222	7.0
1987	2,353	100.0	915	38.9	325	13.8	94	4.0	398	16.9	63	2.7	558	23.7

† 1987 is the first year that data on gerontology have been collected.

Graduations from Master's Programs (Table 57-58)

- Graduations from master's nursing programs rose sharply this year to 6,029 (15 percent over last year's level).

- Although the South reported the largest number of master's programs, the North Atlantic had the largest number of enrolled students and graduates (see also Table 52). The North Atlantic reported over 34 percent of total graduates; the South, 27 percent; the Midwest, 22.9 percent; and the West, 15.7 percent. Note that all regions reported increases in graduates over last year (see Table 57).

- **TEN-YEAR TREND:** The number of master's graduations increased over 42 percent over the past decade.

- **FIVE-YEAR TREND:** The number of graduations from master's programs increased from 5,039 in 1982-83 to 6,029 in 1986-87—an increase of over 19 percent.

Table 57

GRADUATIONS FROM MASTER'S PROGRAMS AND PERCENTAGE CHANGE FROM PREVIOUS YEAR, BY NLN REGION: 1967-68 TO 1986-87[1]

ACADEMIC YEAR	ALL REGIONS			NORTH ATLANTIC			MIDWESTERN			SOUTHERN			WESTERN		
	Number of Programs	Graduations		Number of Programs	Graduations		Number of Programs	Graduations		Number of Programs	Graduations		Number of Programs	Graduations	
		Number	Percent Change		Number	Percent Change		Number	Percent Change		Number	Percent Change		Number	Percent Change
1967-68	66	1,615	+5.3	20	662	+0.9	21	320	+0.9	14	247	+32.1	11	386	+3.2
1968-69	70	1,766	+9.3	20	690	+4.2	21	377	+17.8	15	279	+13.0	14	420	+8.8
1969-70	73	1,988	+12.6	21	857	+24.2	21	424	+12.5	16	311	+11.5	15	396	-5.7
1970-71	79	2,082	+4.7	23	787	-8.2	23	391	-7.8	18	380	+22.2	15	524	+32.3
1971-72	86	2,118	+1.7	24	725	-7.9	25	503	+28.6	21	369	-2.9	16	521	-0.6
1972-73	86	2,430	+14.7	21	818	+12.8	26	483	-4.0	23	552	+50.0	16	577	+10.7
1973-74	92	2,624	+8.0	21	911	+11.4	28	539	+11.6	24	603	+9.2	19	571	-1.0
1974-75	100	2,678	+2.1	24	955	+4.8	28	516	-4.3	29	642	+6.5	19	565	-1.0
1975-76	106	3,417	+27.6	26	1,186	+24.2	28	688	+33.3	33	854	+33.0	19	689	+21.9
1976-77	102	3,800	+11.2	24	1,284	+8.3	28	857	+24.6	33	1,027	+20.6	17	632	-8.3
1977-78	109	4,255	+12.0	26	1,573	+22.5	24	915	+6.8	37	1,145	+11.5	17	622	-1.6
1978-79	118	4,596	+8.0	27	1,630	+3.6	32	986	+7.8	41	1,307	+14.1	18	673	+8.2
1979-80	121	4,755	+3.5	29	1,565	-4.0	32	1,068	+8.3	41	1,333	+2.0	19	789	+17.2
1980-81	127†	4,998	+5.1	30	1,472	-5.9	30	1,207	+13.0	46	1,510	+13.3	21	809	+2.5
1981-82	138	5,149	+3.0	32	1,530	+3.9	34	1,289	+6.8	48	1,463	-3.1	24	867	+7.1
1982-83	141	5,039	-2.1	34	1,565	+2.3	38	1,230	-4.6	45	1,325	-12.1	24	919	+6.0
1983-84	164*	5,082	+0.9	42	1,641	+4.7	44	1,165	-5.6	52	1,388	+4.6	26	888	-3.5
1984-85	167	5,247	+3.2	42	1,808	+10.2	44	1,224	+5.1	54	1,389	+0.1	27	826	-7.0
1985-86	189	5,248	0.0	48	1,541	-14.8	52	1,306	+6.7	56	1,496	+7.7	33	905	+9.6
1986-87	194	6,029	+14.9	52	2,080	+35.0	51	1,376	+5.3	56	1,628	+8.8	35	945	+4.4

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

* Two programs had not yet graduated their first class at time of reporting.

† A previously unreported program was included.

Table 58

GRADUATIONS OF REGISTERED NURSES FROM MASTER'S PROGRAMS IN NURSING, BY NLN REGION AND STATE: 1977-78 TO 1986-87[1]

NLN REGION AND STATE	NUMBER OF GRADUATIONS FROM MASTER'S PROGRAMS									
	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
United States	**4,255**	**4,596**	**4,755**	**4,998**	**5,149**	**5,039**	**5,082**	**5,247**	**5,248**	**6,029**
North Atlantic	1,573	1,630	1,565	1,472	1,530	1,565	1,641	1,808	1,541	2,080
Midwest	915	986	1,068	1,207	1,289	1,230	1,165	1,224	1,306	1,376
South	1,145	1,307	1,333	1,510	1,463	1,325	1,388	1,389	1,496	1,628
West	622	673	789	809	867	919	888	826	905	945
Alabama	64	97	166	175	179	148	107	100	150	132
Alaska	—	—	—	—	—	9	1	10	12	—
Arizona	54	57	71	60	85	79	64	65	55	55
Arkansas	18	19	25	28	25	24	16	18	18	21
California	327	310	376	359	377	439	479	427	477	517
Colorado	99	110	104	111	79	101	83	74	70	80
Connecticut	75	80	94	100	110	108	101	91	93	117
Delaware	4	17	15	18	23	37	32	29	26	27
District of Columbia	99	129	118	106	130	117	94	111	131	116
Florida	39	47	34	71	62	33	50	101	96	151
Georgia	223	181	151	136	125	96	114	87	123	97
Hawaii	16	19	15	21	22	18	25	18	9	23
Idaho	—	—	—	3	4	5	5	8	7	2
Illinois	273	234	257	310	374	314	252	282	294	328
Indiana	76	141	114	160	157	197	180	155	172	165
Iowa	31	26	13	28	12	20	18	17	25	17
Kansas	19	45	60	66	63	64	88	77	72	76
Kentucky	31	38	50	48	57	54	59	49	70	47
Louisiana	33	25	38	59	93	80	55	59	86	65
Maine	—	—	—	—	—	0	0	6	7	17
Maryland	106	113	95	111	107	122	110	137	99	113
Massachusetts	363	358	361	283	296	255	218	218	144	480
Michigan	117	116	175	140	156	137	138	155	184	170
Minnesota	93	62	88	105	102	97	100	84	68	103
Mississippi	45	71	59	45	34	42	46	50	37	43
Missouri	75	79	60	84	73	75	68	82	76	83
Montana	4	4	7	14	9	6	1	4	7	3
Nebraska	23	34	38	38	28	36	27	32	31	17
Nevada	—	—	—	6	3	5	7	1	7	8
New Hampshire	—	—	—	—	—	—	—	—	0	2
New Jersey	34	28	63	73	61	77	75	235	79	99
New Mexico	—	—	4	4	9	11	13	9	21	14
New York	771	775	661	607	581	564	691	702	645	645
North Carolina	86	83	81	108	104	120	88	93	103	87
North Dakota	—	—	—	—	—	0	4	3	6	26
Ohio	128	152	181	160	195	165	168	223	242	260
Oklahoma	33	36	31	51	42	30	44	75	54	57
Oregon	16	28	59	52	78	68	52	51	56	49
Pennsylvania	203	237	241	263	306	388	414	397	403	558
Rhode Island	24	19	12	22	23	19	16	19	13	19
South Carolina	32	56	52	60	62	38	89	42	50	61
South Dakota	—	—	—	—	6	11	15	7	14	15
Tennessee	76	107	131	104	117	70	94	94	84	109
Texas	310	355	325	341	289	277	298	255	320	352
Utah	23	32	36	42	61	63	62	61	47	54
Vermont	—	—	—	—	—	—	—	—	—	—
Virginia	43	53	77	165	156	170	193	187	174	261
Washington	83	113	117	137	139	114	95	102	123	134
West Virginia	6	13	18	8	11	21	25	42	32	32
Wisconsin	80	97	82	116	123	114	107	107	122	116
Wyoming	—	—	—	—	1	1	1	1	4	6
American Samoa	—	—	—	—	—	—	—	—	—	—
Guam	—	—	—	—	—	—	—	—	—	—
Puerto Rico	16	25	23	28	44	46	54	74	59	65
Virgin Islands	—	—	—	—	—	—	—	—	—	—

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Graduations from Master's Programs, by Functional Area (Table 59)

- As with enrollments, the largest group of master's graduates chose advanced clinical practice as their functional area of study—over 63.4 percent of the total. This represents a decline over last figure.

- Increases in graduations were registered in both teaching and in administration/management in 1986-87.

Table 59

GRADUATIONS OF NURSES FROM MASTER'S PROGRAMS, BY FUNCTIONAL AREA OF STUDY: 1976-77 TO 1986-87[1]

YEAR	GRADUATIONS BY FUNCTIONAL AREA OF STUDY									
	TOTAL		TEACHING		ADMINISTRATION/ MANAGEMENT		ADVANCED CLINICAL PRACTICE		OTHER	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1976-77	3,830	100.0	944	24.7	269	7.0	2,468	64.4	149	3.9
1977-78	4,271	100.0	974	22.8	416	9.7	2,675	62.7	206	4.8
1978-79	4,621	100.0	946	20.5	351	7.6	3,000	64.9	324	7.0
1979-80	4,778	100.0	794	16.6	392	8.2	3,342	70.0	250	5.2
1980-81	5,026	100.0	862	17.2	405	8.0	3,577	71.2	182	3.6
1981-82	5,193	100.0	670	12.9	690	13.3	3,806	73.3	27	0.5
1982-83	5,085	100.0	834	16.4	620	12.2	3,558	70.0	73	1.4
1983-84	4,669*	100.0*	475	10.2	619	13.2	3,545	75.9	30	0.6
1984-85	5,247	100.0	661	12.6	915	17.4	3,625	69.1	46	0.9
1985-86	5,248	100.0	684	13.0	841	16.1	3,679	70.1	44	0.8
1986-87	6,029	100.0	1,067	17.7	1,133	18.8	3,822	63.4	7	0.1

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

* Eight programs did not respond to this section of the questionnaire.

Graduations from Master's Programs, by Nursing Content (Table 60)

- Despite a drop in over popularity, the largest group of graduates studied medical-surgical nursing (28%), followed by maternal-child nursing (13.2%), psychiatric-mental health nursing (9.5%), community health nursing (9%), and gerontology (4%). All categories registered dropped since 1985-86 while the "other" category rose dramatically.

Table 60

GRADUATIONS OF NURSES FROM MASTER'S PROGRAMS, BY NURSING CONTENT AREA: 1976-1977 TO 1986-1987[1]

ACADEMIC YEAR	GRADUATIONS BY NURSING CONTENT AREA													
	TOTAL		MEDICAL SURGICAL		MATERNAL CHILD		PSYCHIATRIC MENTAL HEALTH		COMMUNITY HEALTH		GERONTOLOGY†		OTHER (nursing administration, public policy) or NOT DESIGNATED	
	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total
1976-77	3,830	100.0	1,007	26.3	579	15.1	678	17.7	364	9.5	–	–	1,202	31.4
1977-78	4,271	100.0	1,271	29.8	696	16.3	732	17.1	284	6.6	–	–	1,288	30.2
1978-79	4,621	100.0	1,642	35.5	756	16.4	726	15.7	526	11.4	–	–	971	21.0
1979-80	4,778	100.0	1,678	35.1	823	17.2	781	16.4	627	13.1	–	–	869	18.2
1980-81	5,026	100.0	1,793	35.7	942	18.8	791	15.7	655	13.0	–	–	845	16.8
1981-82	5,193	100.0	1,775	34.2	942	18.1	787	15.2	724	13.9	–	–	965	18.6
1982-83	5,085	100.0	1,704	33.5	825	16.2	674	13.3	772	15.2	–	–	1,110	21.8
1983-84	4,390*	100.0*	1,436	32.7	1,152	26.2	546	12.4	306	7.0	–	–	948	21.6
1984-85	5,247	100.0	2,083	39.7	1,412	26.9	771	14.7	666	12.7	–	–	315	6.0
1985-86	5,248	100.0	1,839	35.0	1,276	24.3	513	9.8	419	8.0	–	–	1,201	22.9
1986-87	5,029	100.0	1,402	27.9	796	13.2	573	9.5	524	8.7	235	3.9	2,219	36.8

[1] Until 1983-84 data on American Samoa, Guam, Puerto Rico, and the Virgin Islands were included

* Eight programs did not respond to this section of the questionnaire

† 1987 is the first year that data on gerontology have been collected

RN FACULTY

SUMMARY AND RESULTS OF NURSE FACULTY CENSUS

Since 1962, the National League for Nursing has conducted a biennial survey of all nursing education programs that analyzes trends and changes in the profession as they pertain to nurse faculty. Each survey contains questions designed to monitor the trends occurring in nursing education that affect faculty as well as some questions that reflect social and economic challenges to nursing education.

In particular, the 1988 survey contained questions that identify trends related to the number of full-time and part-time faculty, number of unfilled faculty positions, highest earned credential of faculty, number of non-nurse and male faculty, workload, ethnic/racial background of faculty members, and salaries.

Methodology

The Faculty Census Questionnaire was mailed in early 1988 to 1,642 nursing education programs, including 1,485 basic programs and 157 baccalaureate and higher degree programs that only admit registered nurses. Responses were to reflect data as of January 1988.

A supplement to the Faculty Census Questionnaire was sent to graduate programs to ascertain the number of faculty members assigned to graduate teaching, and the workload of graduate faculty.

Response Rate/Population

Of the total of 1,642 programs, 1,451 responded, for a response rate of 88.0 percent. The response rate for each of the subsections of the questionnaire varied.

Analysis of Data

The analysis of the data focused on the differences among types of program, geographic area, types of institutional support, and accreditation status. When looking at the data presented, the reader is encouraged to focus upon the percentages and relationships between the percentages rather than the absolute numbers, since the number of respondents in each year and in each category fluctuates.

Population

The total number of basic nursing education programs had increased steadily from 1956 to 1984. However, since 1984 there has been a 3 percent decrease in the total number of programs.

Despite the 28 percent decrease in number of diploma programs since 1984, a compensatory increase in generic baccalaureate and associate degree programs has kept the number of programs relatively stable.

Number of Faculty in Nursing Education

Over the last two years, the estimated total number of full-time and part-time nurse faculty has decreased by almost 6 percent (see Table F-3). Based on a projected 100 percent return rate, the estimated number of full-time faculty is 19,016 and the estimated number of part-time faculty is 6,077.

In baccalaureate and higher degree programs, there has been a slight increase in full-time faculty (+2.6 percent). For the first time, there has been a decrease (−9.6 percent) in part-time baccalaureate and higher degree faculty.

In diploma programs, the 31.4 percent decrease in full-time faculty and 23.7 percent decrease in part-time faculty reflects the continuing decrease in enrollments and the number of programs closing in the last two years.

A variety of factors affecting nursing education today are causing a decrease in admissions and enrollment and a resulting decrease in the number of programs and faculty. These decreases are just beginning to be felt among nursing faculty. For example, the growing concern with the economics of nursing education had encouraged the increased use of part-time faculty. Part-time faculty are less costly, since they usually do not receive fringe benefits, nor are they paid for such faculty responsibilities as research, advisement, counseling, and committee work. In the past, the use of part-time faculty had been an adaptive strategy for dealing with an increase in enrollments. Now that enrollments are decreasing, there has been a considerable decrease in part-time faculty in baccalaureate and diploma programs. In associate degree programs, there was only a slight increase in part-time faculty, in contrast with the much larger increases in prior years.

Faculty Credentials

The trend toward a better educated faculty continues in all types of nursing education programs. The percentage of faculty with doctorates and graduate educated faculty continues to increase.

Among the faculty teaching at the baccalaureate and higher degree level, 32 percent have a doctorate. Moreover, 99 percent of these faculty members have graduate preparation. Finally, of those in baccalaureate and higher degree programs with a doctorate 36.5 percent had a major in nursing. Also, 95.6 percent of those with a master's and 96.2 percent of those with a bachelor's degree majored in nursing.

In associate degree programs, 83.5 percent of the master's degrees are in nursing, as compared with 72 percent in diploma programs.

Administrators' Credentials

Forty-three percent of all administrators and 78 percent of baccalaureate and higher degree program administrators have an earned doctorate. Between 1986 and 1988, the percentage of doctorally prepared nurses continued to increase.

Ethnic/Racial Background of Faculty

In 1988, 8.5 percent of full-time faculty were members of an ethnic minority, a 0.6 percent decrease from 1986. This percent represents a return to the same level as in 1982. On the average, less than one faculty member in each program is from an ethnic or racial minority.

Number of Male Faculty

Males made up 2.5 percent of full-time faculty and 3.5 percent of part-time faculty. Overall, there is less than one full-time male faculty member for every three nursing programs and one part-time male faculty member for every five nursing programs. This represents a decrease from 1986.

Faculty Workload

Analysis of faculty workload shows that most faculty in nursing education programs teach between three and six hours in the classroom per week. In most basic nursing education programs, faculty spend from 12 to 17 hours per week in clinical teaching. Diploma programs have a significantly higher number of hours of clinical teaching, with a mean and median of 17 hours per week. The Western region has significantly higher faculty clinical teaching hours in comparison with the North Atlantic region.

Faculty in baccalaureate programs that admit registered nurses only teach more hours in the classroom and less hours in the clinical setting per week. Graduate faculty tend to teach a similar number of hours in the classroom, but less hours in the clinic than any other type of program.

Salaries in Nursing Education

Administrators' salaries continue to be highest in baccalaureate and higher degree programs with generic students. Administrators who have earned their doctorates will earn on a calendar year an average of $57,000. Full professors who have earned their doctorates will earn on a calendar year an average of $54,000. Faculty who have earned their doctorates, in general, have higher salaries than faculty with master's degrees or other credentials.

Assistant professor salaries average in the mid- to high twenties and low thirties. Mean salaries for instructors average in the low to mid-twenties. While nursing salaries are now growing at an increasingly rapid rate, it still appears that the low salaries of faculty at the entry level will be a deterrent to recruitment and retention of faculty.

Summary

In summary, the NLN faculty census provides a large amount of information for administrators, faculty, and scholars of nursing education to utilize in their analysis of the status and role of nursing faculty. Comparison of individual program information will assist administrators in their decision making and reports.

Program Information

Number of Nursing Education Programs by Region (Table F-1)

- This table shows the population of all nursing education programs by program type and NLN region (see "Jurisdictions Included in the NLN Regions") as of January 1988. Additional information on nursing programs can be found in the current issue of the *Nursing Student Census* and the *Nursing Data Review* (NLN).

- There is considerable regional variation in the distribution of programs. For example, associate degree programs represent 65.2 percent of all nursing education programs in the West, while in contrast, in the North Atlantic, associate degree programs represent only 36.6 percent of programs.

- In the West, 0.4 percent of the nursing education programs are diploma programs, whereas, 24.4 percent of all programs in the North Atlantic are diploma programs.

- Baccalaureate and higher degree programs constitute 38.8 percent of all nursing educational programs. Although the percentage of baccalaureate and higher degree programs is similar across regions, the Midwest had the highest percent (40.5%), and the West had the lowest (32.9%).

Table F-1
NUMBER AND PERCENT OF NURSING EDUCATION PROGRAMS BY REGION:1988

NLN REGION	All Programs		Diploma Programs		Associate Degree Programs		Baccalaureate and Higher Degree Programs			
							Generic		Non-Generic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Regions	1,642	100	209	12.7	796	48.5	480	29.2	157	9.6
North Atlantic	402	100	98	24.4	147	36.6	108	26.9	49	12.2
Midwestern	467	100	71	15.2	207	44.3	146	31.3	43	9.2
Southern	521	100	39	7.5	283	54.3	157	30.1	42	8.1
Western	227	100	1	0.4	148	65.2	56	24.6	22	9.7
Territories	25	100	0	0.0	11	44.0	13	52.0	1	4.0

Number of Nursing Education Programs by State (Table F-2)

- Table F-2 presents the total number of nursing education programs by program type and state, as of January 1988.
- New York and Pennsylvania have the largest overall number of nursing education programs, with more than 100 programs in each state.
- California and New York had the highest number of both associate degree programs and baccalaureate programs, while Pennsylvania had the greatest number of diploma programs.

Table F-2

NUMBER OF NURSING EDUCATION PROGRAMS BY STATE:1988

JURISDICTION	TOTAL NUMBER OF PROGRAMS	Diploma Programs	Associate Degree Programs	Baccalaureate and Higher Degree Programs	
				Generic Programs	Non-Generic Programs
Alabama	35	2	20	13	0
Alaska	2	0	1	1	0
Arizona	18	0	11	6	1
Arkansas	21	2	11	7	1
California	98	1	67	21	9
Colorado	13	0	6	6	1
Connecticut	22	5	6	7	4
Delaware	8	1	3	2	2
District of Columbia	6	0	1	5	0
Florida	44	1	26	13	4
Georgia	37	2	19	12	4
Hawaii	6	0	4	2	0
Idaho	9	0	5	2	2
Illinois	78	14	34	25	5
Indiana	44	6	17	17	4
Iowa	39	5	20	11	3
Kansas	34	2	19	11	2
Kentucky	30	0	18	9	3
Louisiana	23	4	6	12	1
Maine	15	1	9	3	2
Maryland	26	4	14	6	2
Massachusetts	55	13	20	15	7
Michigan	50	3	32	14	1
Minnesota	27	0	12	10	5
Mississippi	22	0	14	7	1
Missouri	50	9	22	12	7
Montana	4	0	2	2	0
Nebraska	15	5	1	7	2
Nevada	6	0	4	1	1
New Hampshire	10	1	6	3	0
New Jersey	45	17	13	7	8
New Mexico	15	0	12	1	2
New York	122	16	61	32	13
North Carolina	62	4	41	12	5
North Dakota	10	2	1	6	1
Ohio	77	22	29	17	9
Oklahoma	28	0	16	11	1
Oregon	18	0	13	4	1
Pennsylvania	105	42	22	30	11
Rhode Island	7	2	2	3	0
South Carolina	23	1	13	6	3
South Dakota	9	1	5	3	0
Tennessee	38	6	17	12	3
Texas	69	2	42	20	5
Utah	5	0	1	3	1
Vermont	7	0	4	1	2
Virginia	41	9	16	9	7
Washington	27	0	17	6	4
West Virginia	22	2	10	8	2
Wisconsin	34	2	15	13	4
Wyoming	6	0	5	1	0
American Samoa	1	0	1	0	0
Guam	2	0	1	0	1
Puerto Rico	20	0	8	12	0
Virgin Islands	2	0	1	1	0
TOTAL	1,642	209	796	480	157

Number of Faculty and Unfilled Positions

Full-Time and Part-Time Faculty by State (Table F-3)

- Table F-3 presents data from all responding nursing education programs, including those programs that admit only registered nurses to complete the baccalaureate or graduate degree.

- Part-time faculty constitute 24 percent of all nurse faculty. The highest percentage of part-time faculty are in associate degree programs (29.8%), followed by baccalaureate degree programs (22%), and diploma programs (17%).

Table F-3

TOTAL NUMBER OF FULL-TIME AND PART-TIME FACULTY, BY TYPE OF PROGRAM AND STATE: ALL GENERIC AND NON-GENERIC PROGRAMS:1988

JURISDICTION	TOTAL NUMBER OF PROGRAMS	NUMBER OF PROGRAMS REPORTING	FACULTY IN ALL PROGRAMS		BACCALAUREATE & HIGHER DEGREE PROGRAMS		ASSOCIATE DEGREE PROGRAMS		DIPLOMA PROGRAMS	
			Full-Time	Part-Time	Full-Time	Part-Time	Full-Time	Part-Time	Full-Time	Part-Time
Alabama	35	32	392	58	262	30	125	27	5	1
Alaska	2	2	25	12	19	9	6	3	0	0
Arizona	18	16	328	77	255	16	73	61	0	0
Arkansas	21	21	197	35	83	16	78	18	36	1
California	98	85	1,029	371	513	198	486	172	30	1
Colorado	13	12	115	102	88	54	27	48	0	0
Connecticut	22	19	224	102	152	69	21	16	51	17
Delaware	8	8	86	29	49	11	29	18	8	0
District of Columbia	6	4	73	22	66	20	7	2	0	0
Florida	44	38	554	124	246	42	291	81	17	1
Georgia	37	32	324	81	173	31	123	44	28	6
Hawaii	6	6	73	13	48	13	25	0	0	0
Idaho	9	8	65	12	26	3	39	9	0	0
Illinois	78	69	770	170	415	99	249	52	106	19
Indiana	44	41	523	135	350	65	123	58	50	12
Iowa	39	33	278	165	134	52	96	98	48	15
Kansas	34	29	257	66	143	46	99	19	15	1
Kentucky	30	25	265	60	132	29	133	31	0	0
Louisiana	23	23	354	34	229	24	60	7	65	3
Maine	15	9	79	18	48	14	28	4	3	0
Maryland	26	23	285	100	150	45	115	51	20	4
Massachusetts	55	48	598	246	331	105	154	118	113	23
Michigan	50	45	520	363	282	153	214	210	24	0
Minnesota	27	26	237	77	172	42	65	35	0	0
Mississippi	22	19	256	18	121	10	135	8	0	0
Missouri	50	42	400	117	181	46	95	54	124	17
Montana	4	4	61	23	50	16	11	7	0	0
Nebraska	15	12	191	52	150	41	11	7	30	4
Nevada	6	8	53	17	30	11	23	6	0	0
New Hampshire	10	8	69	19	21	6	37	13	11	0
New Jersey	45	42	435	173	134	74	124	53	177	46
New Mexico	15	14	102	29	39	4	63	25	0	0
New York	122	101	1,282	639	725	299	444	294	113	46
North Carolina	62	53	455	108	220	29	199	73	36	6
North Dakota	10	8	84	21	70	18	6	1	8	2
Ohio	77	68	864	352	353	135	264	168	247	49
Oklahoma	28	26	218	44	128	18	90	26	0	0
Oregon	18	18	188	82	104	47	84	35	0	0
Pennsylvania	105	88	1,123	310	535	119	165	106	423	85
Rhode Island	7	4	83	11	64	9	0	0	19	2
South Carolina	23	19	238	56	152	26	84	29	2	1
South Dakota	9	9	87	46	51	18	28	26	8	2
Tennessee	38	37	392	89	204	42	129	32	59	15
Texas	69	66	940	131	473	66	434	65	33	0
Utah	5	5	120	45	86	38	34	7	0	0
Vermont	7	6	36	6	23	2	13	4	0	0
Virginia	41	37	406	114	199	51	130	48	77	15
Washington	27	26	279	120	151	57	128	63	0	0
West Virginia	22	19	180	40	96	17	64	22	20	1
Wisconsin	34	33	408	169	238	134	160	31	10	4
Wyoming	6	6	45	20	22	3	23	17	0	0
American Samoa	1	1	3	0	0	0	3	0	0	0
Guam	2	2	8	7	1	4	7	3	0	0
Puerto Rico	20	14	146	40	118	30	28	10	0	0
Virgin Islands	2	2	10	2	6	1	4	1	0	0
TOTAL	1,642	1,451	16,813	5,372	9,111	2,557	5,686	2,416	2,016	399

Trends In Numbers of Faculty, 1972-1986 (Table F-4)

- Table F-4 shows changes in the number of reported full-time faculty, part-time faculty, and unfilled positions, based on the responses of all reporting programs. In interpreting the percentage changes, readers should note the variation in response rates from year to year that might affect the numbers reported. For data projected to a 100 percent response rate, see Table F-5.

- In general, the ratios of full-time to part-time faculty by program type in 1988 were as follows:

Associate degree programs	2:1
Baccalaureate programs	3:1
Diploma programs	5:1
All program types	3:1

- Only baccalaureate and higher degree programs continue to show an increase in the number of part-time faculty, although it was only a 0.2 percent increase.

Table F-4

CHANGE IN NUMBER OF FULL-TIME AND PART-TIME FACULTY AND UNFILLED POSITIONS, BY TYPE OF PROGRAM: 1972-1988[1]

NUMBER OF FACULTY AND UNFILLED BUDGETED POSITIONS BY TYPE OF PROGRAM[2]	1972		1974		1976		1978		1980		1982		1984		1986		1988	
	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change
ALL RN PROGRAMS REPORTING[3]																		
Number of Programs Reporting	1,333	−1.9	1,375	+3.1	1,395	+1.5	1,340	−3.9	1,385	+3.4	1,391	+0.4	1,556	+11.6	1,467	−5.7	1,451	−1.1
Percent of total programs	96.7	−2.6	98.8	+2.1	97.3	−1.5	91.5	−5.8	92.9	+1.4	89.9	−3.0	92.3	+2.4	88.7	−3.6	88.4	−0.3
Number of full-time faculty	16,794	+8.0	19,204	+14.3	20,572	+17.1	20,217	−1.7	20,355	+0.7	19,742	−3.0	20,449	+3.6	18,060	−11.7	16,813	−6.9
Number of part-time faculty	2,879	+12.0	3,780	+31.3	4,121	+9.0	4,457	+8.2	4,781	+7.3	5,167	+8.1	6,322	+22.4	5,746	−9.1	5,372	−6.5
Unfilled budgeted positions	877	−19.2	864	−1.5	776	−10.2	800	+3.1	710	−11.2	720	+1.4	694	−3.6	611	−12.0	768	+25.7
BACCALAUREATE AND HIGHER DEGREE PROGRAMS REPORTING[3]																		
Number of Programs Reporting	292	+4.3	319	+9.2	373	+16.9	378	+1.3	433	+14.5	468	+8.1	564	+20.5	557	−1.2	578	+3.8
Percent of total programs	97.0	−1.9	98.8	+1.8	96.1	−2.7	85.9	−10.2	92.1	+6.2	90.3	−1.8	90.3	0.0	91.2	+1.2	90.7	−0.5
Number of full-time faculty	5,534	+13.2	7,044	+27.3	8,567	+21.6	8,794	+2.6	9,531	+8.4	9,502	−0.3	9,800	+3.1	8,925	−8.9	9,111	+0.2
Number of part-time faculty	877	+29.5	1,338	+52.6	1,761	+31.6	1,919	+9.0	2,108	+9.8	2,254	+6.9	2,697	+19.7	2,845	+5.5	2,557	−10.1
Unfilled budgeted positions	327	−12.3	516	+57.8	414	−19.8	467	+12.8	403	−23.6	435	+7.9	407	−6.4	402	−1.2	471	+17.2
ASSOCIATE DEGREE PROGRAMS REPORTING																		
Number of Programs Reporting	473	+22.2	565	+19.4	602	+6.5	615	+2.2	647	+5.2	642	+0.8	745	+16.0	692	−7.1	689	−0.4
Percent of total programs	96.3	−2.9	98.4	+2.1	97.4	−1.0	93.7	−3.7	94.0	+0.3	88.4	−5.6	97.5	+9.1	87.9	−9.6	86.6	−1.3
Number of full-time faculty	3,588	+45.8	4,995	+39.2	5,680	+13.7	5,939	+4.6	6,036	+1.6	5,863	−2.9	6,606	+12.7	6,288	−4.8	5,686	−9.6
Number of part-time faculty	660	+121.5	1 210	+83.3	1,419	+17.3	1,622	+14.3	1,852	+14.2	2,146	+15.9	2,554	+19.0	2,395	−6.2	2,416	+0.9
Unfilled budgeted positions	188	+18.2	206	+9.6	201	−2.4	194	−3.5	194	0.0	178	−8.2	188	+5.6	138	−26.6	201	+45.7
DIPLOMA PROGRAMS REPORTING																		
Number of Programs Reporting	568	−17.9	491	−13.6	420	−14.5	347	−17.4	305	−12.1	281	−7.9	257	−8.5	218	−15.2	184	−15.6
Percent of total programs	96.8	−2.8	99.4	+1.6	98.1	−1.3	94.6	−3.5	91.6	−3.0	92.7	+1.1	88.9	−3.8	85.2	−3.7	88.0	+2.8
Number of full-time faculty	7,672	−6.5	7,165	−6.6	6,325	−11.7	5,484	−13.3	4,788	−12.7	4,377	−8.6	4,043	−7.6	2,847	−29.6	2,016	−29.2
Number of part-time faculty	1,342	−15.1	1,232	−8.2	941	−23.6	916	−2.7	821	−10.4	767	−6.6	771	+0.5	506	−34.4	389	−21.1
Unfilled budgeted positions	362	−34.5	261	−27.9	161	−38.3	139	−13.7	113	−18.7	197	−5.3	99	−7.5	71	−28.3	96	+35.2

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[1] As of January of each year indicated.

[2] Directors of programs not included in table.

[3] Includes master's programs and RN baccalaureate programs.

Number of Full-Time and Part-Time Faculty and Unfilled Positions (Table F-5)

- The estimates in this table are based on an extension of the data to a 100 percent return. This estimate provides a means of controlling for the differences in response rate in each biennial survey.

- The estimated numbers of full-time equivalent (FTE) faculty were calculated using the assumption that each part-time faculty member is equivalent to one-half of a full-time faculty member.

- Baccalaureate programs are the only type of program that have an estimated increase in numbers of both full-time and part-time faculty in 1988, although the increase is small..

- Of all FTE faculty in nursing education programs in 1988, 51.8 percent were in baccalaureate and higher degree programs. Thirty-three percent were in associate degree programs, and 11 percent were in diploma programs.

- The total number of estimated FTE faculty increased by 1 percent in baccalaureate and higher degree programs. The increase in number of programs was caused by an increase in generic baccalaureate programs.

- FTE faculty in associate degree programs showed a decrease for the first time in history. There was a 1.1 percent increase in the number of AD programs in 1988, accompanied by a 14.7 percent decrease in number of FTE faculty.

- In 1988, diploma programs experienced the highest rate of decline in number of programs in history (–18.4%), accompanied by a 31.4 percent decrease in full-time faculty.

- Graphic representation of the trends in the number of full-time and part-time faculty from 1962-1988 are shown in Figures F-2 to F-5.

Table F-5

ESTIMATED NUMBER OF FULL-TIME AND PART-TIME FACULTY AND UNFILLED POSITIONS AND PERCENT CHANGE, BY TYPE OF PROGRAM: 1972-1988[1]

ESTIMATED TOTAL NUMBER OF NURSE FACULTY AND UNFILLED BUDGETED POSITIONS BY TYPE OF PROGRAM[2]	1972		1974		1976		1978		1980		1982		1984		1986		1988	
	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change
ALL RN PROGRAMS[3]																		
Total Number of Programs	1,379	+0.8	1,391	+0.9	1,434	+3.1	1,464	+2.1	1,491	+1.8	1,547	+3.8	1,697	+9.7	1,654	−2.5	1,642	−0.7
Total estimated nurse-faculty (full-time and FTEs)[4]	18,848	+11.2	21,329	+13.2	23,322	+9.3	24,864	+6.6	24,567	−1.2	24,741	+0.7	25,580	+3.4	23,600	−7.7	22,058	−6.5
Total estimated full-time faculty	17,359	+10.8	19,416	+11.8	21,197	+9.2	22,395	+5.6	21,991	−1.8	21,867	−0.6	22,155	+1.3	20,361	−8.1	19,019	−6.6
Total estimated part-time faculty	2,978	+15.8	3,824	+28.4	4,248	+11.1	4,938	+16.2	5,153	+4.4	5,749	+11.6	6,849	+19.1	6,478	−5.4	6,077	−6.2
Est. unfilled budgeted positions	906	−17.0	994	+9.7	802	−19.3	909	+13.3	766	−15.7	797	+4.0	752	−5.6	689	−8.4	869	+26.1
BACCALAUREATE AND HIGHER DEGREE PROGRAMS[3]																		
Total Number of Programs	301	+6.4	323	+7.3	388	+20.1	441	+13.7	470	+6.6	518	+10.2	625	+20.7	611	−2.2	637	+4.3
Total estimated nurse-faculty (full-time and FTEs)[4]	6,157	+16.6	7,810	+26.8	9,834	+25.9	11,379	+15.7	11,489	+1.0	11,764	+2.4	12,347	+5.0	11,346	−8.1	11,455	+1.0
Total estimated full-time faculty	5,705	+15.5	7,132	+25.0	8,918	+25.0	10,260	+15.0	10,345	+0.8	10,517	+1.7	10,852	+3.2	9,786	−9.8	10,045	+2.6
Total estimated part-time faculty	904	+32.2	1,355	+49.9	1,832	+35.2	2,239	+22.2	2,288	+2.2	2,495	+9.0	2,987	+19.7	3,120	+4.5	2,819	−9.6
Est. unfilled budgeted positions	337	−10.6	522	+54.9	432	−17.2	555	+28.5	437	−21.3	481	+10.1	451	−6.2	441	−2.2	519	+17.7
ASSOCIATE DEGREE PROGRAMS																		
Total Number of Programs	491	+25.9	574	+16.9	618	+7.7	656	+6.1	688	+4.9	726	+5.5	783	+7.9	787	+0.5	796	+1.1
Total estimated nurse-faculty (full-time and FTEs)[4]	4,067	+54.6	5,690	+39.9	6,560	+15.3	7,200	+9.8	7,402	+2.8	7,843	+6.0	8,035	+2.4	8,516	+6.0	7,961	−6.5
Total estimated full-time faculty	3,725	+50.2	5,075	+36.2	5,831	+14.9	6,335	+8.6	6,418	+1.3	6,630	+3.3	6,775	+2.2	7,153	+5.6	6,566	−8.2
Total estimated part-time faculty	685	+128.3	1,229	+79.4	1,457	+18.6	1,730	+18.7	1,989	+134.8	2,427	+23.3	2,619	+7.9	2,725	+4.2	2,790	+2.4
Est. unfilled budgeted positions	195	+21.9	209	+7.2	206	−1.4	207	+0.5	206	−0.5	201	−2.4	193	−4.0	156	−19.2	232	+48.7
DIPLOMA PROGRAMS																		
Total Number of Programs	587	−15.5	494	−15.8	428	−13.4	367	−14.3	333	−9.3	303	−9.0	289	−4.6	256	−11.4	209	−18.4
Total estimated nurse-faculty (full-time and FTEs)[4]	8,624	−4.6	7,829	−9.2	6,928	−11.5	6,285	−9.3	5,676	−9.7	5,134	−9.5	4,798	−6.5	3,639	−24.2	2,518	−30.8
Total estimated full-time faculty	7,929	−3.8	7,209	−9.1	6,448	−10.6	5,800	−10.0	5,228	−9.9	4,720	−9.7	4,380	−7.2	3,342	−23.7	2,291	−31.4
Total estimated part-time faculty	1,389	−12.5	1,240	−10.7	959	−22.7	969	+1.0	896	−7.5	827	−7.7	835	+0.5	594	−28.9	453	−23.7
Est. unfilled budgeted positions	374	−32.6	263	−29.7	164	−37.6	147	−10.4	123	−16.3	115	−6.5	107	−7.0	83	−22.4	109	+31.3

[1] As of January of each year indicated. Estimates are based on an extension of the data to a 100 percent response rate to control for differences in response rate in each biennial survey.

[2] Directors of programs not included in table.

[3] Includes master's programs and RN baccalaureate programs.

[4] Full-time equivalents (FTEs) are calculated by assuming each part-time faculty member is equivalent to one-half of a full-time faculty member.

Number of Nursing Education Programs, 1962-1988 (Figure F-1)

- The number of nursing education programs for each biennium from 1962 to 1988 is shown in a graphic representation in Figure F-1. (See also Table F-5.)

- The number of diploma programs has decreased every year since 1962, while the rate of decrease leveled off in the early 1980s, but is increasing again in the last four years.

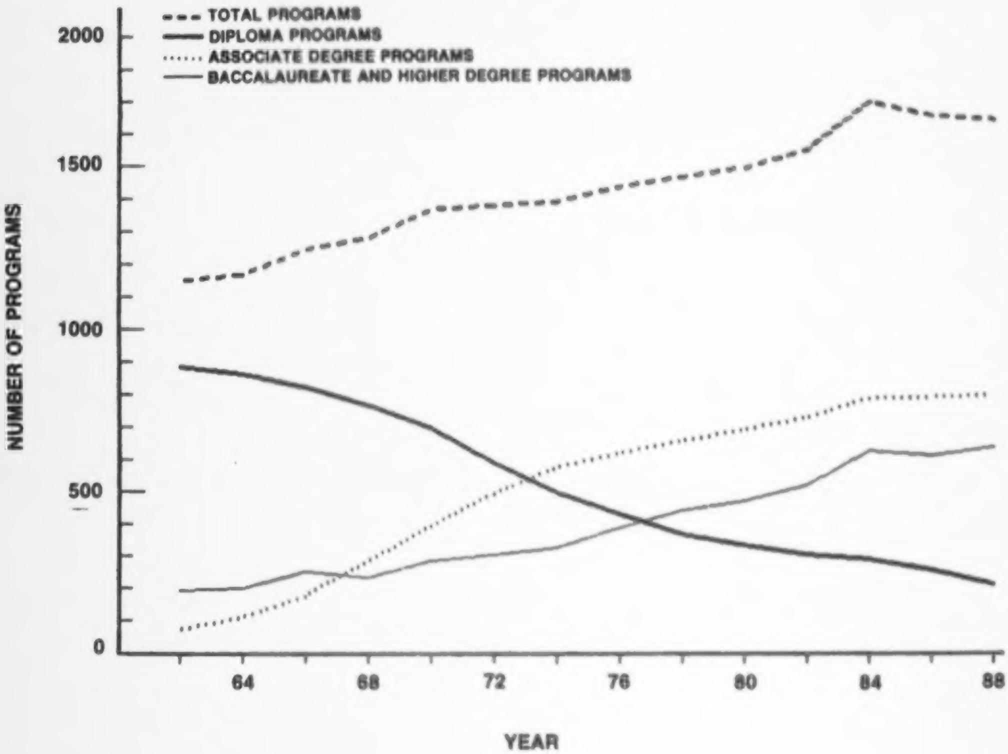
- The number of associate degree programs has increased continually since 1962, with the most rapid rate of increase between 1962 and 1974. In the last four years the rate of increase has leveled off.

- There has been a steady increase in the number of reporting baccalaureate and higher degree programs since 1962, with a slight decrease in 1986 and a 4.3 percent increase in 1988 to the highest number ever.

- The total number of nursing programs was at its highest level in 1984 with 1,697 programs. Between 1984 and 1988 there has been a 3 percent drop in the number of programs. (See also Table F-5.)

Figure F-1

NUMBER OF NURSING EDUCATION PROGRAMS, BY PROGRAM TYPE

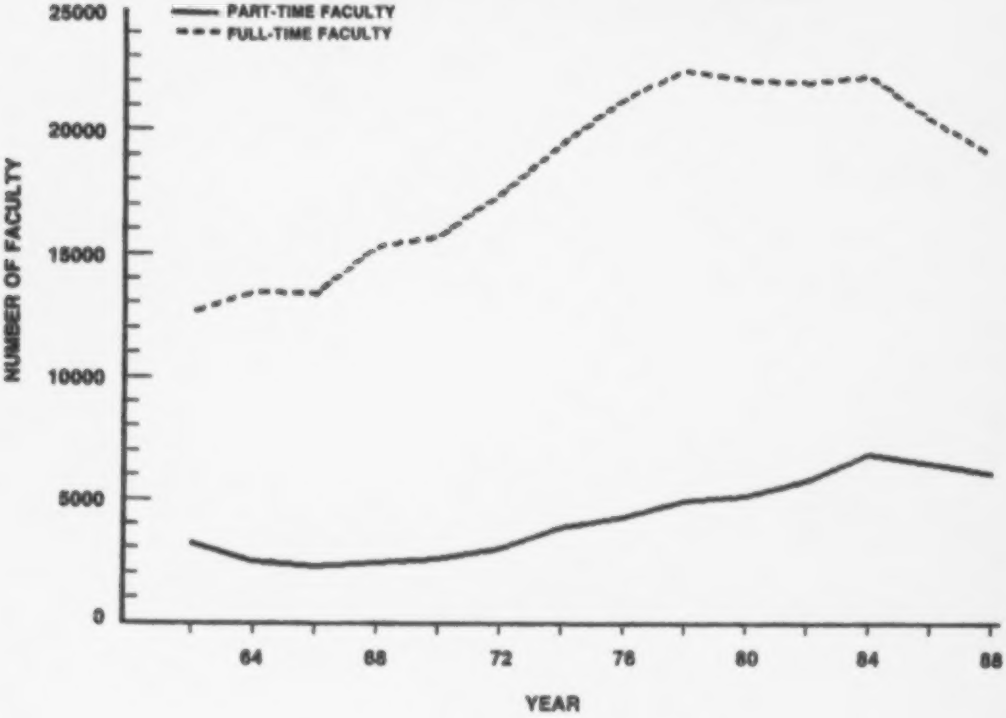


Total Number of Full-Time and Part-Time Faculty (Figure F-2)

- This graph shows the estimated total number of full-time and part-time nurse faculty from 1962 to 1988 for all types of nursing education programs. Estimates are based upon an extension of the data to a 100 percent response rate.
- There was a continuous increase in the total number of full-time nurse faculty through 1978. In 1980-84 the number of full-time faculty leveled off. In 1988 there was a 6.3 percent decrease in full-time faculty.
- The number of part-time faculty increased steadily from 1970 to 1984, with the most rapid rate of increase taking place in 1972-74 and 1982-84. From 1984 to 1988 there was a decrease in the total number of part-time faculty.

Figure F-2

TOTAL NUMBER OF FULL-TIME AND PART-TIME FACULTY IN ALL NURSING EDUCATION PROGRAMS

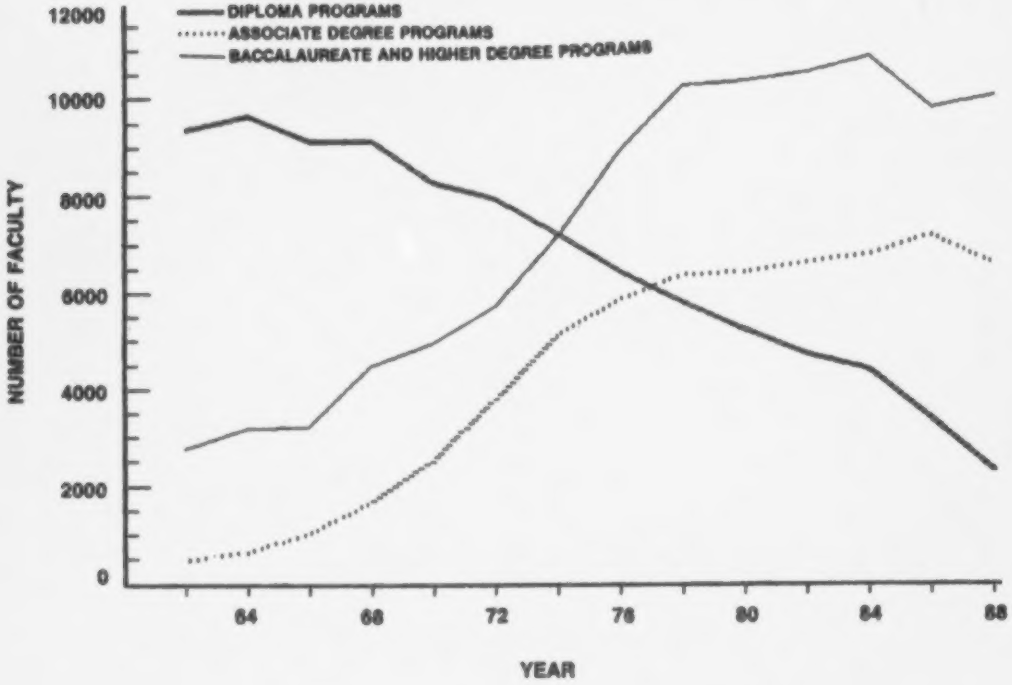


Number of Full-Time Faculty (Figure F-3)

- The estimated total number of full-time faculty for each type of program between 1962 and 1988 is shown in Figure F-3. (See Table F-3.)
- Since 1978, the number of programs has continued to increase steadily. In the same time period, the number of full-time faculty reported by responding programs leveled off and in 1988 showed a considerable decrease in associate degree and diploma programs.
- For baccalaureate and higher degree programs, the number of full-time faculty increased slightly (+ 1%).
- Associate degree programs reported a 17.9 percent decrease in full-time faculty members.
- For diploma programs, there was a 31.4 percent drop in the number of full-time faculty for a total decrease of 47.7 percent since 1984.

Figure F-3

NUMBER OF FULL-TIME FACULTY, BY PROGRAM TYPE

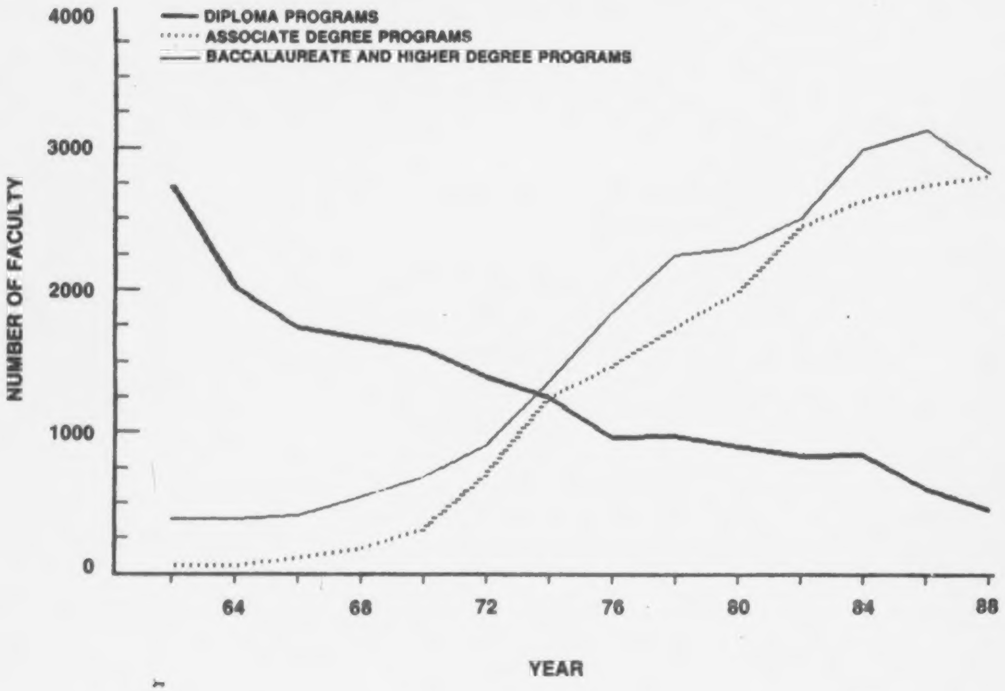


Part-Time Faculty by Program Type (Figure F-4)

- The estimated total number of part-time faculty for each type of program from 1962 to 1988 is presented in Figure F-4. This number is based on the estimate projected to a 100 percent response as reported in Table F-3.
- The dramatic increase evidenced since 1966 in the number of part-time faculty in baccalaureate and higher degree programs has now been reversed. This increase had been much more rapid than the increase in number of programs, shown in Figure F-1. The number of programs has increased in this biennium, but part-time faculty have decreased, reflecting the decrease in baccalaureate enrollment.
- The number of part-time faculty reported by associate degree programs continues to increase, but at a slower rate.
- The number of part-time faculty in diploma programs continues to decrease.

Figure F-4

NUMBER OF PART-TIME FACULTY, BY PROGRAM TYPE

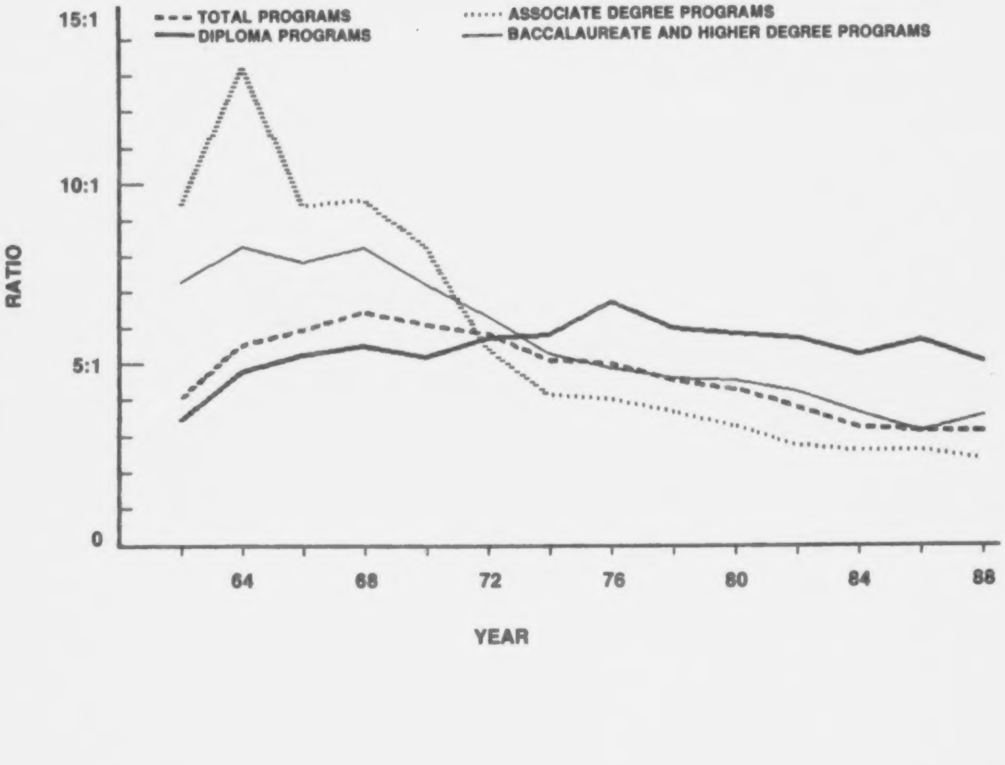


Ratio of Full-Time to Part-Time Faculty (Figure F-5)

- This graphic representation shows the ratio of full-time faculty to part-time faculty by type of program from 1962 to 1988.
- The overall decrease in the ratio of full-time to part-time faculty has been greatest in associate degree programs. While the largest increase in part-time faculty occurred in the early 1970s, there has been an ongoing change in the ratio of full-time to part-time faculty, from nine full-time faculty members for every one part-time faculty member in 1966 to a two-to-one ratio in 1984. In 1986 and 1988 the ratio increase was five to two.
- Between 1966 and 1986, there has been a similar decrease in the ratio of full-time to part-time faculty in baccalaureate programs. In 1966, the ratio was nine to one. In 1986 and 1988 the ratio was close to three to one.
- Between 1966 and 1986, the ratio of full-time to part-time diploma faculty has remained relatively unchanged at approximately five to one, despite minor fluctuations in the mid-1970s.

Figure F-5

RATIO OF FULL-TIME TO PART-TIME FACULTY, BY PROGRAM TYPE



Nurse and Non-Nurse Faculty, by Type of Program and Region (Table F-6)

- Non-nurse faculty constituted 1.9 percent of all full-time faculty in 1988, and 9.3 percent of all part-time faculty.
- Diploma programs had the highest percentages of full-time (4.5%) and part-time (23.4%) non-nurse faculty.
- The percentage of non-nurse faculty in nursing education decreased in the last two years, except for full-time non-nurse faculty in the North Atlantic region which remained the same.
- With the exception of diploma programs, the percent of full-time non-nurse faculty ranges between 1.0 and 3.0 percent.
- Associate degree programs report the lowest percentage of part-time non-nurse faculty.

Table F-6

NUMBER AND PERCENT OF NURSE AND NON-NURSE FACULTY, BY TYPE OF PROGRAM AND REGION:1988

NLN REGION	FULL-TIME FACULTY						PART-TIME FACULTY					
	TOTAL		NURSE FACULTY		NON-NURSE FACULTY		TOTAL		NURSE FACULTY		NON-NURSE FACULTY	
	N	%	N	%	N	%	N	%	N	%	N	%
ALL REPORTING PROGRAMS												
All regions	17,146	100.0	16,813	98.1	333	1.9	5,920	100.0	5,372	90.7	548	9.3
North Atlantic	4,209	100.0	4,088	97.1	121	2.9	1,747	100.0	1,575	90.2	172	9.8
Midwestern	4,703	100.0	4,619	98.2	84	1.8	1,907	100.0	1,733	90.9	174	9.1
Southern	5,692	100.0	5,612	98.6	80	1.4	1,250	100.0	1,134	90.7	116	9.3
Western	2,542	100.0	2,494	98.1	48	1.9	1,016	100.0	930	91.5	86	8.5
BACCALAUREATE AND HIGHER DEGREE PROGRAMS												
All regions	9,256	100.0	9,111	98.4	145	1.6	2,854	100.0	2,557	89.6	297	10.4
North Atlantic	2,187	100.0	2,148	98.2	39	1.8	797	100.0	728	91.3	69	8.7
Midwestern	2,566	100.0	2,539	98.9	27	1.1	927	100.0	849	91.6	78	8.4
Southern	3,033	100.0	2,992	98.6	41	1.4	581	100.0	507	87.3	74	12.7
Western	1,470	100.0	1,432	97.4	38	2.6	549	100.0	473	86.2	76	13.8
ASSOCIATE DEGREE PROGRAMS												
All regions	5,780	100.0	5,686	98.4	94	1.6	2,545	100.0	2,416	94.9	129	5.1
North Atlantic	1,054	100.0	1,022	97.0	32	3.0	645	100.0	628	97.4	17	2.6
Midwestern	1,436	100.0	1,410	98.2	26	1.8	826	100.0	759	91.9	67	8.1
Southern	2,248	100.0	2,222	98.8	26	1.2	608	100.0	573	94.2	35	5.8
Western	1,042	100.0	1,032	99.0	10	1.0	466	100.0	456	97.9	10	2.1
DIPLOMA PROGRAMS												
All regions	2,110	100.0	2,016	95.5	94	4.5	521	100.0	399	76.6	122	23.4
North Atlantic	968	100.0	918	94.8	50	5.2	305	100.0	219	71.8	86	28.2
Midwestern	701	100.0	670	95.6	31	4.4	154	100.0	125	81.2	29	18.8
Southern	411	100.0	398	96.8	13	3.2	61	100.0	54	88.5	7	11.5
Western	30	100.0	30	100.0	0	0.0	1	100.0	1	100.0	0	0.0

Mean Numbers of Faculty per Program (Table F-7)

- The mean number of full-time faculty per program has continued to decline since the 1980 survey. (See Figures F-6 and F-7 for a graphic representation of trends.)
- In 1988, the decline in mean number of full-time faculty continued in baccalaureate and higher degree programs—to 15.8 faculty per program. The mean number of full-time faculty in associate degree programs decreased to 8.3, the lowest since 1972.
- Since 1968, associate degree programs experienced an increase in mean number of part-time faculty—from 2.6 to 3.5 with a stabilization at 3.5 over the last two years.
- The mean number of both full-time and part-time faculty in diploma programs has decreased since 1982.

Table F-7

MEAN NUMBER OF FULL-TIME AND PART-TIME NURSE FACULTY AND UNFILLED POSITIONS PER PROGRAM: 1970-1988

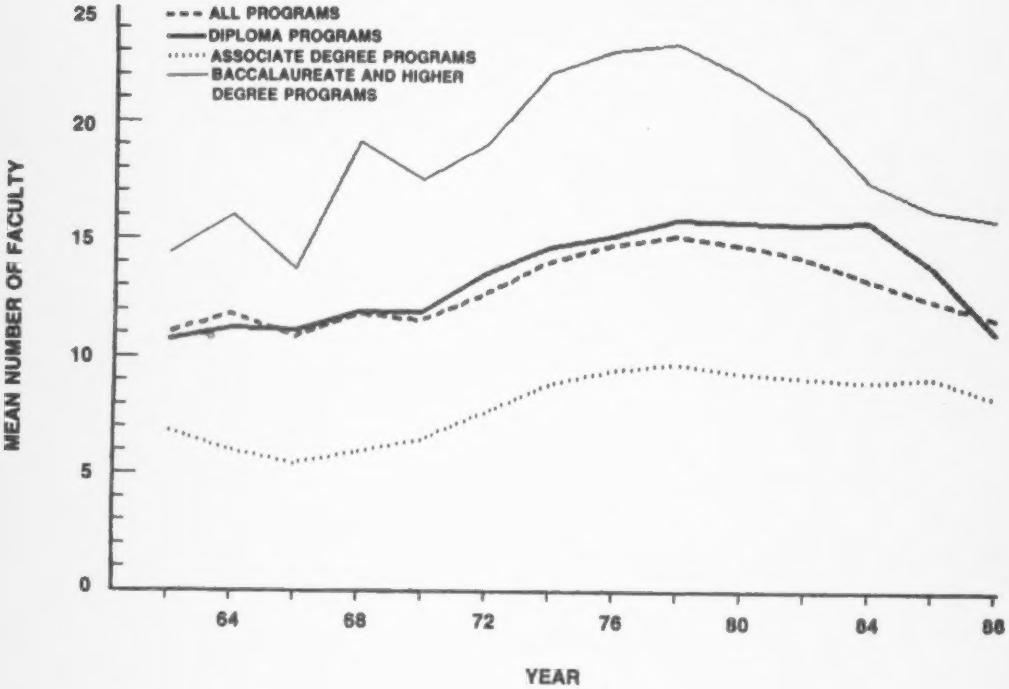
STATUS OF FACULTY	MEAN NUMBER OF FACULTY PER PROGRAM									
	1970	1972	1974	1976	1978	1980	1982	1984	1986	1988
ALL REPORTING PROGRAMS										
Full-time faculty	11.5	12.6	14.0	14.7	15.1	14.7	14.2	13.2	12.4	11.6
Part-time faculty	1.9	2.2	2.7	3.0	3.3	3.5	3.7	4.1	3.9	3.7
Unfilled positions	0.8	0.7	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.5
BACCALAUREATE AND HIGHER DEGREE PROGRAMS										
Full-time faculty	17.5	19.0	22.1	23.0	23.3	22.0	20.3	17.4	16.2	15.8
Part-time faculty	2.4	3.0	4.2	4.7	5.1	4.9	4.8	4.7	5.2	4.5
Unfilled positions	1.3	1.1	1.6	1.2	1.2	0.9	0.9	0.7	0.7	0.8
ASSOCIATE DEGREE PROGRAMS										
Full-time faculty	6.4	7.6	8.8	9.4	9.7	9.3	9.1	8.9	9.1	8.3
Part-time faculty	0.8	1.4	2.1	2.4	2.6	2.9	3.3	3.8	3.5	3.5
Unfilled positions	0.6	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.2	0.3
DIPLOMA PROGRAMS										
Full-time faculty	11.9	13.5	14.6	15.1	15.8	15.7	15.6	15.7	13.8	11.0
Part-time faculty	2.3	2.4	2.5	2.2	2.6	2.7	2.7	3.0	2.3	2.2
Unfilled positions	0.8	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.5

Mean Number of Full-Time Faculty by Type of Program (Figure F-6)

- Figure F-6 presents the trends in the average (mean) number of full-time faculty per program for each program type from 1962 to 1988. (See Table F-7.)
- All program types, except baccalaureate and higher degree programs, remained relatively constant in mean numbers of full-time faculty. (The baccalaureate programs for registered nurses only faculty are included with generic baccalaureate program faculty.)
- Despite a steady decline since 1978, baccalaureate and higher degree programs have consistently had the largest average number of full-time faculty.
- Diploma programs show a decrease in average number of full-time faculty paralleling the decrease in number of programs.

Figure F-6

MEAN NUMBER OF FULL-TIME FACULTY, BY PROGRAM TYPE

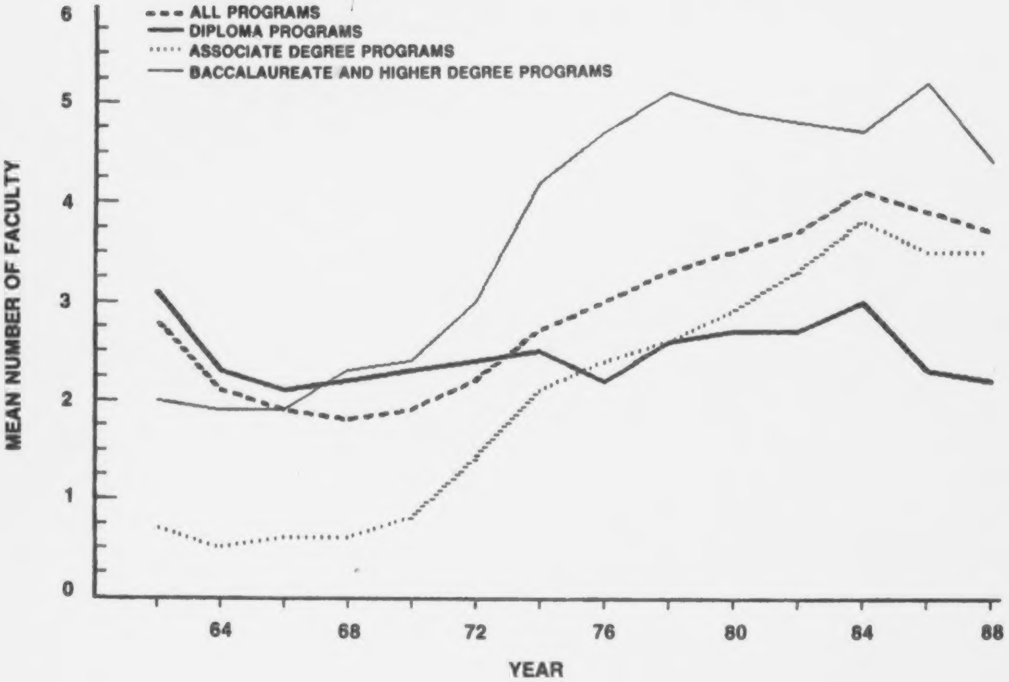


Mean Number of Part-Time Faculty by Type of Program (Figure F-7)

- Figure F-7 presents the trends in the average (mean) number of part-time faculty for each program type from 1962 to 1988. (See Table F-7.)
- For baccalaureate and higher degree programs, most of the growth in part-time faculty occurred in the early to mid-1970s. It leveled off in the 1980s, with a decrease in 1988.
- In associate degree programs, there was a gradual but continuous increase in the average number of part-time faculty from 1970 until 1986, when there was a decrease and a leveling out in 1988.
- The average number of part-time faculty in diploma programs remained fairly stable until 1984 when there was a decrease.

Figure F-7

MEAN NUMBER OF PART-TIME FACULTY, BY PROGRAM TYPE



Unfilled Faculty Positions by Region (Table F-8)

- Since 1976, the number of unfilled positions per 100 faculty members had remained fairly stable over all regions. However, in 1988 there was an increase in reported unfilled positions.
- Percentages derived from the data show that the majority of unfilled positions were found in baccalaureate and higher degree programs (See also Tables F-4 and F-5).
- The largest portion of unfilled positions for all programs was found in the Southern region (40.8%).
- There was an increase in the number of unfilled positions in 1988 in all regions.

Table F-8

UNFILLED NURSE FACULTY BUDGETED POSITIONS PER 100 FULL-TIME FACULTY, BY NLN REGION: 1978-1988

NLN REGION BY YEAR	TOTAL FULL-TIME FACULTY REPORTED	TOTAL BUDGETED VACANCIES REPORTED	VACANCIES PER 100 FULL-TIME FACULTY
All Regions			
1978	20,217	800	4.0
1980	20,355	710	3.5
1982	19,742	720	3.6
1984	20,449	694	3.4
1986	18,374	611	3.3
1988	16,821	768	4.6
North Atlantic			
1978	5,498	164	3.0
1980	5,581	117	2.1
1982	5,333	140	2.6
1984	5,197	106	2.0
1986	5,146	96	1.9
1988	4,083	132	3.2
Midwest			
1978	6,245	260	4.2
1980	6,048	220	3.6
1982	5,979	197	3.3
1984	6,288	201	3.2
1986	5,072	182	3.6
1988	4,638	212	4.6
Southern			
1978	5,947	311	5.2
1980	6,209	286	4.6
1982	6,060	306	5.0
1984	6,478	293	4.5
1986	5,731	235	4.1
1988	5,606	313	5.6
Western			
1978	2,527	65	2.6
1980	2,517	87	3.5
1982	2,370	77	3.2
1984	2,564	94	3.7
1986	2,425	98	4.0
1988	2,494	111	4.5

Assignment of Full-Time Faculty to Baccalaureate or Graduate Teaching (Table F-9)

- In baccalaureate and higher degree programs with graduate programs, 20.4 percent of the faculty teach exclusively at the graduate level, 31.1 percent teach at both undergraduate and graduate levels, and 48.6 percent teach at the undergraduate level only.
- In the North Atlantic and Southern regions, a similar percentage of faculty teach at the graduate level only as at both graduate and undergraduate levels. In the Western region, 33.7 percent of the faculty teach at both levels, and 17.2 percent teach at the graduate level only. In contrast, in the Midwestern region, 16 percent of the faculty teach at the graduate level only, and 35.8 percent teach at both levels.
- There was a slight decrease from the previous year in the percentage of faculty teaching in graduate programs and a slight increase in the percentage of faculty teaching only at the undergraduate level.
- The Midwestern and Western regions have the lowest percentage of faculty who teach exclusively in the graduate program.

Table F-9

ASSIGNMENT OF FULL-TIME FACULTY TO BACCALAUREATE OR GRADUATE TEACHING, BY REGION: 1978–1988

NLN REGION BY YEAR	ASSIGNMENT OF FULL-TIME FACULTY							
	Total Full-Time Faculty		Exclusively to Baccalaureate Teaching		Exclusively to Graduate Teaching		Both Baccalaureate and Graduate Teaching	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Regions								
1978	4,344	100.0	2,744	63.2	890	20.5	710	16.3
1980	4,965	100.0	3,103	62.5	1,069	21.5	793	16.0
1982	4,969	100.0	3,044	61.2	1,042	21.0	883	17.8
1984	4,122	100.0	2,615	63.4	730	17.7	777	18.9
1986	4,020	100.0	1,850	46.0	1,064	26.5	1,106	27.5
1988	4,886	100.0	2,373	48.6	995	20.4	1,518	31.1
North Atlantic								
1978	989	100.0	594	60.1	273	27.6	122	12.3
1980	1,083	100.0	631	58.3	335	30.9	117	10.8
1982	1,121	100.0	590	52.6	309	27.6	222	19.8
1984	915	100.0	595	65.0	170	18.6	150	16.4
1986	835	100.0	381	45.6	228	27.3	226	27.1
1988	967	100.0	469	48.5	241	24.9	257	26.6
Midwestern								
1978	1,174	100.0	790	67.3	237	20.2	147	12.5
1980	1,510	100.0	927	61.4	287	19.0	296	19.6
1982	1,483	100.0	975	65.7	302	20.4	206	13.9
1984	1,132	100.0	800	70.7	167	14.8	165	14.6
1986	1,256	100.0	611	48.6	415	33.0	230	18.7
1988	1,401	100.0	673	48.0	227	16.2	501	35.8
Southern								
1978	1,403	100.0	997	71.1	228	16.2	178	12.7
1980	1,816	100.0	1,219	67.1	314	17.3	283	15.6
1982	1,783	100.0	1,142	64.1	352	19.7	289	16.2
1984	1,477	100.0	879	59.5	277	18.8	321	21.7
1986	1,273	100.0	601	47.2	323	25.4	349	27.4
1988	1,681	100.0	820	48.8	383	22.8	478	28.4
Western								
1978	778	100.0	363	46.7	152	19.5	263	33.8
1980	556	100.0	326	58.6	133	23.9	97	17.5
1982	582	100.0	337	57.9	79	13.6	166	28.5
1984	598	100.0	341	57.0	116	19.4	141	23.6
1986	656	100.0	257	39.2	98	14.9	301	45.9
1988	837	100.0	411	49.1	144	17.2	282	33.7

Highest Earned Credentials

Highest Earned Credentials of Administrators, 1970-1988 (Table F-10)

- The term "administrator" refers to the chief administrative officer of a nursing program, who may have the title of dean, director, or chairperson.

- The data for the highest earned credential of administrators in each type of nursing education program in 1988 are represented graphically in Figure F-8.

- The number and percentage of administrators of nursing programs with earned doctorates continue to increase. Forty-three percent of all administrators reported possessing an earned doctorate in 1988. Seventy-eight percent of administrators of baccalaureate and higher degree programs hold doctorates.

- The number and percentage of nursing education administrators with neither a doctorate nor a master's degree has increased slightly for associate degree and diploma programs. The number of administrators without a graduate degree is now 0.7 percent for baccalaureate and higher degree programs. These slight differences probably represent different responding programs in each survey.

Table F-10

HIGHEST EARNED CREDENTIAL OF NURSING EDUCATION ADMINISTRATORS, BY TYPE OF PROGRAM: 1970-1988

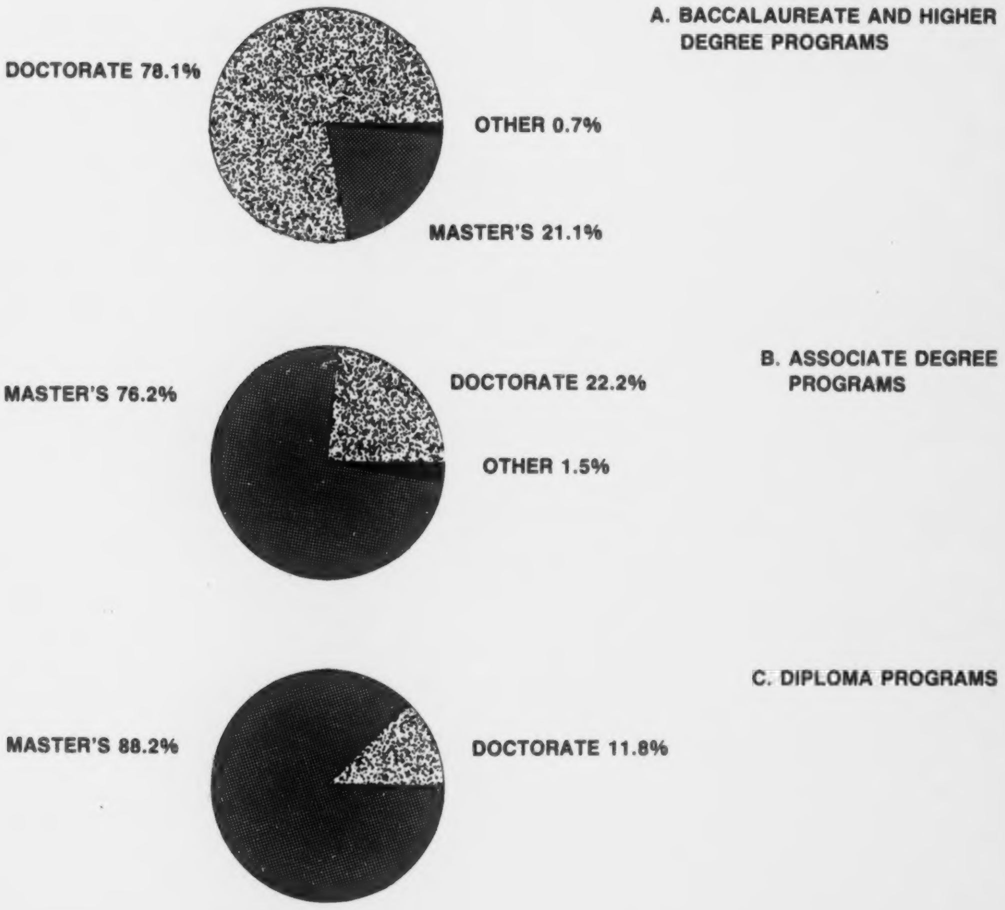
YEAR	TOTAL ADMINISTRATORS REPORTED		HIGHEST EARNED CREDENTIAL					
			DOCTORATE		MASTER'S		OTHER	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
ALL REPORTING PROGRAMS								
1970	1,287	100.0	155	12.0	1,010	78.5	122	9.5
1972	1,260	100.0	171	13.6	997	79.1	92	7.3
1974	1,310	100.0	203	15.5	1,032	78.8	75	5.7
1976	1,317	100.0	252	19.2	1,001	76.0	63	4.8
1978	1,270	100.0	297	23.4	939	73.9	34	2.7
1980	1,344	100.0	355	26.4	960	71.4	29	2.2
1982	1,348	100.0	432	32.1	898	66.6	18	1.3
1984	1,499	100.0	524	35.0	937	62.5	38	2.5
1986	1,439	100.0	601	41.8	821	57.1	17	0.11
1988	1,370	100.0	589	43.0	767	56.0	14	1.0
BACCALAUREATE AND HIGHER DEGREE PROGRAMS								
1970	255	100.0	113	44.3	141	55.3	1	0.4
1972	274	100.0	142	51.8	131	47.8	1	0.4
1974	301	100.0	166	55.2	134	44.5	1	0.3
1976	347	100.0	205	59.1	140	40.3	2	0.6
1978	343	100.0	239	69.7	102	29.7	2	0.6
1980	414	100.0	269	65.0	144	34.8	1	0.2
1982	453	100.0	321	70.9	132	29.1	0	0.0
1984	535	100.0	381	71.2	154	28.8	0	0.0
1986	547	100.0	423	77.3	122	22.3	2	0.4
1988	540	100.0	422	78.1	114	21.1	4	0.7
ASSOCIATE DEGREE PROGRAMS								
1970	382	100.0	26	6.8	344	90.1	12	3.1
1972	441	100.0	19	4.3	402	91.2	20	4.5
1974	532	100.0	29	5.5	481	90.4	22	4.1
1976	572	100.0	40	7.0	505	88.3	27	4.7
1978	590	100.0	50	8.5	526	89.1	14	2.4
1980	634	100.0	77	12.2	539	85.0	18	2.8
1982	620	100.0	99	16.0	511	82.4	10	1.6
1984	712	100.0	128	18.0	552	77.5	32	4.5
1986	678	100.0	154	22.7	514	75.8	10	1.3
1988	661	100.0	147	22.2	504	76.2	10	1.5
DIPLOMA PROGRAMS								
1970	650	100.0	16	2.5	525	80.8	109	16.4
1972	545	100.0	10	1.8	464	85.2	71	13.0
1974	477	100.0	8	1.7	417	87.4	52	10.9
1976	398	100.0	8	2.0	356	89.5	34	8.5
1978	337	100.0	8	2.4	311	92.3	18	5.3
1980	296	100.0	9	3.0	277	93.6	10	3.4
1982	275	100.0	12	4.4	255	92.7	8	2.9
1984	252	100.0	15	6.0	231	91.7	6	2.4
1986	214	100.0	24	11.2	185	86.4	5	2.3
1988	169	100.0	20	11.8	149	88.2	0	0.0

Highest Earned Credentials of Administrators: 1988 (Figure F-8)

- These pie graphs show the percentages of chief administrators of each type of nursing education program holding doctoral, master's, or baccalaureate degrees as their highest earned credential. These data are presented and discussed in Table F-10.
- The graphs illustrate that a significantly greater percentage of doctorally prepared administrators are found in baccalaureate and higher degree programs.
- The percentage of administrators with a doctorate as their highest earned credential is 78.1 percent in baccalaureate and higher degree programs, 22.2 percent in associate degree programs, and 11.8 percent in diploma programs.

Figure F-8

HIGHEST EARNED CREDENTIALS OF ADMINISTRATORS, BY PROGRAM TYPE: 1988



Highest Earned Credentials of Full-Time Faculty by Program Type, 1970-1988 (Table F-11)

- There has been a consistent increase in the number of full-time faculty with doctoral and master's degrees since 1962. (The table excludes chief administrators.)
- Forty-eight percent of the master's prepared faculty are teaching in baccalaureate and higher degree programs.
- The number of doctorally prepared full-time faculty reported in baccalaureate and higher degree programs has increased from 992 in 1978 to 2921 in 1988—a greater than threefold increase over the ten-year period. At present, 99 percent of full-time faculty in baccalaureate and higher degree programs have a graduate degree. This figure includes 66.6 percent with a master's degree and 32.2 percent with a doctorate as highest earned credential.
- The percentage of full-time doctorally prepared faculty teaching in associate degree programs has increased to 3.6 percent in 1988. For the same time period, the percentage of master's prepared faculty continued to increase to 83.8 percent.
- The number of full-time faculty in diploma education with doctorates decreased in the last two years, now numbering 21, while the percentage of diploma faculty with a master's degree has increased steadily, reaching 76 percent in 1988. Diploma faculty without graduate degrees continued to decline.
- These data are represented graphically in Figure F-9.
- Information on the percentage of nursing vs. non-nursing degrees is included in Table F-17.

Table F-11
HIGHEST EARNED CREDENTIAL OF FULL-TIME NURSE FACULTY, BY TYPE OF PROGRAM: 1970-1988[1]

YEAR	TOTAL FACULTY REPORTED		HIGHEST EARNED CREDENTIAL							
			DOCTORATE		MASTER'S		BACCALAUREATE		OTHER	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
ALL REPORTING PROGRAMS										
1970	15,555	100.0	334	2.1	6,781	43.6	6,372	41.0	2,068	13.3
1972	16,794	100.0	445	2.6	8,139	48.5	6,589	39.2	1,621	9.7
1974	19,204	100.0	682	3.6	9,985	52.0	7,110	37.0	1,427	7.4
1976	20,572	100.0	887	4.3	11,687	56.8	6,975	33.9	1,023	5.0
1978	20,217	100.0	1,062	5.3	12,637	62.5	5,865	29.0	653	3.2
1980	20,355	100.0	1,418	7.0	13,826	67.9	4,687	23.0	424	2.1
1982	19,742	100.0	1,657	8.4	14,085	71.3	3,751	19.0	249	1.3
1984	20,221	100.0	2,143	10.6	14,797	73.2	3,104	15.4	177	0.9
1986	17,978	100.0	2,404	13.0	13,480	75.0	1,969	10.7	125	0.6
1988	17,083	100.0	3,160	18.5	12,605	73.8	1,254	7.3	64	0.4
BACCCALAUREATE AND HIGHER DEGREE										
1970	4,887	100.0	305	6.2	3,864	79.1	692	14.2	26	0.5
1972	5,534	100.0	408	7.4	4,530	81.9	594	10.7	2	0.0
1974	7,044	100.0	621	8.8	5,578	79.2	833	11.8	12	0.2
1976	8,567	100.0	817	9.5	6,737	78.7	984	11.5	29	0.3
1978	8,794	100.0	992	11.3	7,072	80.4	717	8.2	13	0.1
1980	9,531	100.0	1,278	13.4	7,763	81.4	485	5.1	5	0.1
1982	9,502	100.0	1,533	16.1	7,647	80.5	321	3.4	1	0.0
1984	9,827	100.0	1,967	20.0	7,594	77.3	258	2.6	8	0.1
1986	9,184	100.0	2,176	23.7	6,844	74.5	164	1.8	0	0.0
1988	9,074	100.0	2,921	32.2	6,045	66.6	103	1.1	5	0.1
ASSOCIATE DEGREE PROGRAMS										
1970	2,461	100.0	10	0.4	1,444	58.7	947	38.5	60	2.4
1972	3,588	100.0	25	0.7	2,077	57.9	1,401	39.0	85	2.4
1974	4,995	100.0	46	0.9	2,824	56.5	1,962	39.3	163	3.3
1976	5,680	100.0	57	1.0	3,304	58.2	2,147	37.8	172	3.0
1978	5,939	100.0	56	0.9	3,795	63.9	1,927	32.5	161	2.7
1980	6,036	100.0	128	2.1	4,216	69.8	1,593	26.4	99	1.7
1982	5,863	100.0	106	1.8	4,394	74.9	1,295	22.1	68	1.2
1984	6,452	100.0	162	2.5	4,977	77.1	1,238	19.2	75	1.2
1986	5,907	100.0	200	3.4	4,729	80.1	929	15.7	52	0.9
1988	5,986	100.0	218	3.6	5,017	83.8	712	11.9	39	0.7
DIPLOMA PROGRAMS										
1970	8,207	100.0	19	0.2	1,473	17.9	4,733	57.7	1,982	24.2
1972	7,672	100.0	12	0.1	1,532	20.0	4,594	59.9	1,534	20.0
1974	7,165	100.0	15	0.2	1,583	22.1	4,315	60.2	1,252	17.5
1976	6,325	100.0	13	0.2	1,646	26.0	3,844	60.8	822	13.0
1978	5,484	100.0	14	0.3	1,770	32.3	3,221	58.7	479	8.7
1980	4,788	100.0	12	0.2	1,847	38.6	2,609	54.5	320	6.7
1982	4,377	100.0	16	0.3	2,044	46.7	2,135	48.8	182	4.2
1984	3,942	100.0	14	0.4	2,226	56.5	1,606	40.7	96	2.5
1986	2,884	100.0	28	1.0	1,907	66.1	876	30.4	73	2.5
1988	2,023	100.0	21	1.0	1,543	76.3	439	21.7	20	1.0

[1] Chief administrator of programs not included in this table.

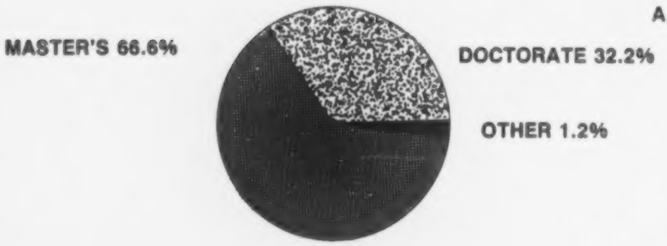
Highest Earned Credentials of Full-Time Faculty by Program Type, 1988 (Figure F-9)

- These pie graphs show the percentages of highest credential of full-time faculty in each type of nursing education program. These data are presented and discussed in Table F-11.
- The percentage of full-time faculty with graduate degrees is 99 percent in baccalaureate and higher degree programs, 98.8 percent in associate degree programs, and 77.3 percent in diploma programs.

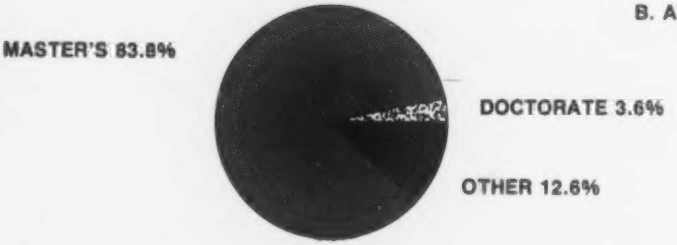
Figure F-9

HIGHEST EARNED CREDENTIALS OF FULL-TIME FACULTY, BY PROGRAM TYPE: 1988

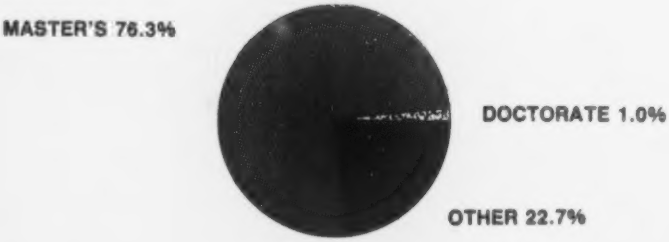
A. BACCALAUREATE AND HIGHER DEGREE PROGRAMS



B. ASSOCIATE DEGREE PROGRAMS



C. DIPLOMA PROGRAMS



Credentials of Part-Time Faculty by Program Type, 1970-1988 (Table F-12)

- Between 1984 and 1988, there was doubling of the percentage of all part-time faculty with doctoral degrees from 3.2 to 6.3 percent.
- In baccalaureate and higher degree programs, 91.4 percent of the part-time faculty had graduate preparation. This figure included 10.1 percent with doctorates and 81.3 percent with master's degrees as their highest earned credential.
- There has been a continuing decrease in the percentage of part-time faculty in baccalaureate and higher degree programs with only a baccalaureate degree. Between 1976 and 1988, this percentage dropped from 31.1 percent to 8.3 percent.
- Associate degree programs experienced a continued increase in the percentage of master's prepared faculty, which increased from 39.2 percent in 1984 to 47.5 percent in 1986. In 1988 the percent leveled off at 46.8 percent.
- Fifty percent of part-time faculty teaching in associate degree programs have a graduate degree. This figure includes 3 percent with doctorates; the remaining 46.8 percent had master's degrees as their highest earned credential.
- Of the part-time faculty in diploma programs, 59.7 percent had graduate preparation, with 1.5 percent holding doctoral degrees. Faculty with baccalaureate degrees no longer constitute the majority of part-time diploma faculty.
- Information on the percent of nursing vs. non-nursing degrees is included in Table F-18.

Table F-12

HIGHEST EARNED CREDENTIAL OF PART-TIME NURSE FACULTY, BY TYPE OF PROGRAM: 1970-1988

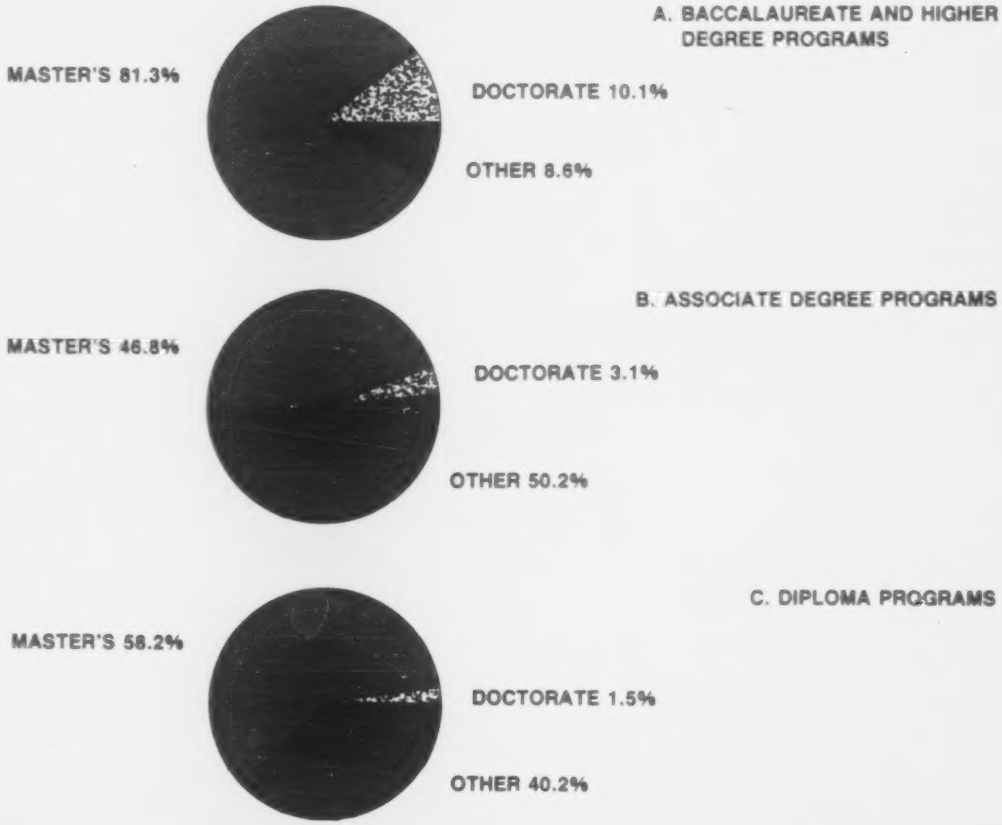
YEAR	TOTAL PART-TIME FACULTY REPORTED		HIGHEST EARNED CREDENTIAL							
			DOCTORATE		MASTER'S		BACCALAUREATE		OTHER	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
ALL REPORTING PROGRAMS										
1970	2,556	100.0	45	1.8	842	32.9	1,124	44.0	545	21.3
1972	2,879	100.0	73	2.5	1,054	36.6	1,343	46.7	409	14.2
1974	3,780	100.0	104	2.8	1,381	36.5	1,815	48.0	480	12.7
1976	4,121	100.0	116	2.8	1,626	39.4	1,952	47.4	427	10.4
1978	4,457	100.0	131	2.9	1,975	44.3	2,043	45.9	308	6.9
1980	4,781	100.0	114	2.4	2,379	49.8	1,977	41.3	311	6.5
1982	5,167	100.0	189	3.7	2,673	51.7	2,089	40.4	216	4.2
1984	6,295	100.0	200	3.2	3,488	55.4	2,355	37.4	252	4.1
1986	5,818	100.0	330	5.7	3,728	64.1	1,645	28.3	115	2.0
1988	5,450	100.0	346	6.3	3,500	64.2	1,481	27.2	123	2.3
BACCALAUREATE AND HIGHER DEGREE PROGRAMS										
1970	677	100.0	22	3.2	440	65.0	197	29.1	18	2.7
1972	877	100.0	39	4.5	566	64.5	266	30.3	6	0.7
1974	1,338	100.0	76	5.7	819	61.2	431	32.2	12	0.9
1976	1,761	100.0	91	5.2	1,098	62.4	548	31.1	24	1.3
1978	1,919	100.0	109	5.7	1,278	66.6	522	27.2	10	0.5
1980	2,108	100.0	96	4.6	1,590	75.4	418	19.8	4	0.2
1982	2,254	100.0	177	7.9	1,672	74.2	404	17.9	1	0.0
1984	2,726	100.0	170	6.2	2,138	78.4	416	15.3	2	0.0
1986	2,962	100.0	282	9.5	2,379	80.3	299	10.1	2	0.1
1988	2,622	100.0	265	10.1	2,132	81.3	218	8.3	7	0.3
ASSOCIATE DEGREE PROGRAMS										
1970	298	100.0	1	0.3	97	32.6	170	57.0	30	10.1
1972	660	100.0	3	0.5	207	31.4	389	58.9	61	9.2
1974	1,210	100.0	17	1.4	357	29.5	685	56.6	151	12.5
1976	1,419	100.0	18	1.3	357	25.2	874	61.6	170	11.9
1978	1,622	100.0	8	0.5	486	30.0	989	61.0	139	7.5
1980	1,852	100.0	12	0.7	580	31.3	1,082	58.4	178	9.6
1982	2,146	100.0	7	0.3	768	35.8	1,240	57.8	131	6.1
1984	2,821	100.0	24	0.8	1,106	39.2	1,495	53.0	196	6.9
1986	2,317	100.0	39	1.7	1,101	47.5	1,093	47.2	84	3.6
1988	2,433	100.0	75	3.1	1,138	46.8	1,114	45.8	106	4.4
DIPLOMA PROGRAMS										
1970	1,581	100.0	17	1.0	306	19.3	757	47.9	497	31.4
1972	1,342	100.0	31	2.3	281	20.9	688	51.3	342	25.5
1974	1,232	100.0	11	0.9	205	16.7	699	56.7	317	25.7
1976	941	100.0	7	0.7	171	18.2	530	56.3	233	24.8
1978	916	100.0	14	1.5	211	23.0	532	58.1	159	17.4
1980	821	100.0	6	0.7	210	25.6	477	58.1	128	15.2
1982	767	100.0	5	0.7	233	30.4	445	58.0	84	10.9
1984	748	100.0	6	0.8	244	32.6	444	59.4	54	7.2
1986	539	100.0	9	1.7	248	46.0	253	46.9	29	5.4
1988	395	100.0	6	1.5	230	58.2	149	37.7	10	2.5

Highest Earned Credentials of Part-Time Faculty by Program Type, 1988 (Figure F-10)

- These pie graphs show the percentages of part-time faculty in each type of nursing education program who have a doctorate, master's degree and other highest credential. These data are presented in Table F-12.
- The percentage of part-time faculty with graduate degrees is 70.5 percent across all reporting programs.
- In baccalaureate and higher degree programs 91.4 percent of part-time faculty have graduate degrees.
- Associate degree programs have the lowest percent of part-time faculty with graduate degrees (49.9%).

Figure F-10

HIGHEST EARNED CREDENTIALS OF PART-TIME FACULTY, BY PROGRAM TYPE: 1988



Credentials of Full-Time Faculty by Region, 1972-1988 (Table F-13)

- All NLN regions showed a steady increase in the percentage of full-time faculty holding a doctoral degree.
- The North Atlantic and Midwestern regions had the greatest increases in the last two years of faculty prepared at the doctoral level (5.0% and 6.9%, respectively).
- The West had the highest percentage of faculty with doctorates (23.8%), while the Midwest had the lowest (16.7%).
- The Midwest had the highest percentage of faculty without a graduate degree (11.9%), while the West had the lowest (5.6%).

Table F-13
HIGHEST EARNED CREDENTIAL OF FULL-TIME FACULTY, BY NLN REGION: 1972-1988

YEAR BY NLN REGION	TOTAL FULL-TIME FACULTY REPORTED		HIGHEST EARNED CREDENTIAL							
			Doctorate		Master's		Baccalaureate		Other	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
North Atlantic										
1972	5,948	100.0	163	2.7	2,816	47.3	2,313	38.9	656	11.1
1974	6,232	100.0	216	3.5	3,205	51.4	2,282	36.6	529	8.5
1976	6,000	100.0	249	4.2	3,420	57.0	1,987	33.1	344	5.6
1978	5,498	100.0	273	5.0	3,508	63.8	1,514	27.5	203	3.7
1980	5,581	100.0	428	7.7	3,806	68.2	1,205	21.6	142	2.5
1982	5,333	100.0	493	9.2	3,798	71.2	953	17.9	89	1.7
1984	5,128	100.0	535	10.4	3,763	73.4	779	15.2	51	1.0
1986	4,980	100.0	705	14.2	3,731	74.9	513	10.3	31	0.6
1988	4,083	100.0	785	19.2	3,018	73.9	269	6.6	11	0.3
Midwestern										
1972	4,961	100.0	106	2.1	2,116	42.7	2,155	43.4	584	11.8
1974	5,693	100.0	176	3.1	2,596	45.6	2,403	42.2	518	9.1
1976	6,146	100.0	231	3.8	3,044	49.5	2,496	40.6	375	6.1
1978	6,245	100.0	295	4.7	3,406	54.5	2,296	36.8	248	4.0
1980	6,048	100.0	351	5.8	3,697	61.1	1,836	30.4	164	2.7
1982	5,979	100.0	428	7.2	3,936	65.8	1,522	25.4	93	1.6
1984	6,299	100.0	537	8.5	4,448	70.6	1,243	19.7	71	1.1
1986	4,930	100.0	485	9.8	3,690	74.9	702	14.2	53	1.0
1988	4,690	100.0	783	16.7	3,351	71.4	524	11.2	32	0.7
Southern										
1972	3,857	100.0	99	2.6	1,831	47.5	1,601	41.5	326	8.4
1974	4,906	100.0	168	3.4	2,456	50.1	1,948	39.7	334	6.8
1976	5,830	100.0	237	4.1	3,249	55.7	2,093	35.9	251	4.3
1978	5,947	100.0	282	4.7	3,779	63.5	1,724	29.0	162	2.8
1980	6,209	100.0	378	6.1	4,361	70.2	1,364	22.0	106	1.7
1982	6,060	100.0	466	7.7	4,507	74.4	1,030	17.0	57	0.7
1984	6,295	100.0	676	10.7	4,709	74.8	863	13.7	47	0.7
1986	5,762	100.0	772	13.4	4,357	75.6	601	10.4	32	0.5
1988	5,625	100.0	1,056	18.8	4,213	74.9	341	6.1	15	0.3
Western										
1972	2,028	100.0	77	3.8	1,376	67.9	520	25.6	55	2.7
1974	2,373	100.0	122	5.1	1,728	72.8	477	20.1	46	2.0
1976	2,596	100.0	170	6.5	1,974	76.1	399	15.4	53	2.0
1978	2,527	100.0	212	8.4	1,944	76.8	331	13.2	40	1.6
1980	2,517	100.0	261	10.4	1,962	77.9	282	11.2	12	0.5
1982	2,370	100.0	270	11.4	1,844	77.8	246	10.4	10	0.4
1984	2,499	100.0	395	15.8	1,877	75.1	219	8.8	8	0.4
1986	2,306	100.0	442	19.2	1,703	73.9	153	6.6	8	0.4
1988	2,504	100.0	597	23.8	1,766	70.5	135	5.4	6	0.2

Credentials of Full-Time and Part-Time Faculty by State (Table F-14)

- In 1988, Alabama and the District of Columbia reported that more than 30 percent of full-time faculty (excluding administrators) had an earned doctorate as the highest credential.

- The states with over 150 full-time faculty members holding a doctorate were California, Illinois, New York, Texas, and Pennsylvania.

- The states reporting the highest numbers of part-time faculty with doctoral degrees were New York and California.

- Pennsylvania, Ohio, and Michigan reported the highest numbers of full-time faculty members having the baccalaureate as their highest credential.

- Full-time faculty with other credentials were found in the highest numbers in Iowa and Ohio.

Table F-14

HIGHEST EARNED CREDENTIAL OF FULL-TIME AND PART-TIME FACULTY,[1] BY STATE:1988

JURISDICTION	TOTAL NUMBER OF PROGRAMS	NUMBER OF PROGRAMS REPORTING	FULL-TIME FACULTY					PART-TIME FACULTY				
			Total	Highest Earned Credential				Total	Highest Earned Credential			
				Doctorate	Master's	Bacca-laureate	Other		Doctorate	Master's	Bacca-laureate	Other
Alabama	35	32	392	84	298	9	1	58	2	35	21	0
Alaska	2	2	25	4	21	0	0	12	0	9	3	0
Arizona	18	16	329	79	245	5	0	76	2	33	41	0
Arkansas	21	21	197	19	123	53	2	34	2	14	15	3
California	98	85	1,038	248	747	41	2	368	29	250	78	11
Colorado	13	13	119	35	80	2	2	103	19	52	31	1
Connecticut	22	19	224	54	164	5	1	102	8	81	13	0
Delaware	8	8	86	18	57	11	0	29	1	13	15	0
District of Columbia	6	4	73	32	41	0	0	22	8	14	0	0
Florida	44	38	554	123	389	41	1	124	12	64	47	1
Georgia	37	30	321	60	248	13	0	71	2	37	31	1
Hawaii	6	6	76	20	56	0	0	13	0	11	2	0
Idaho	9	8	65	6	53	6	0	12	0	3	7	2
Illinois	78	70	878	222	638	18	0	177	8	162	7	0
Indiana	44	39	466	83	361	21	1	123	5	81	37	0
Iowa	39	33	278	39	141	86	12	165	7	47	63	48
Kansas	34	29	257	37	193	27	0	66	7	46	13	0
Kentucky	30	24	255	31	205	19	0	64	9	41	14	0
Louisiana	23	23	354	44	309	1	0	34	1	32	1	0
Maine	15	10	91	9	75	6	1	19	0	14	5	0
Maryland	26	23	285	76	203	6	0	100	9	70	21	0
Massachusetts	55	48	597	114	454	29	0	246	16	165	65	0
Michigan	50	45	520	95	363	59	3	363	11	155	179	18
Minnesota	27	26	237	33	188	13	3	77	5	55	17	0
Mississippi	22	19	256	25	230	1	0	18	1	15	1	1
Missouri	50	43	403	54	267	78	4	119	7	64	46	2
Montana	4	4	61	10	49	2	0	23	0	12	11	0
Nebraska	15	11	186	24	143	19	0	50	2	39	6	3
Nevada	6	9	60	13	41	6	0	21	1	15	5	0
New Hampshire	10	8	69	6	50	13	0	19	1	11	7	0
New Jersey	45	41	421	62	347	12	0	156	7	143	5	1
New Mexico	15	14	97	15	62	20	0	41	5	22	14	0
New York	122	101	1,285	305	918	57	5	663	76	491	92	4
North Carolina	62	52	446	73	294	79	0	105	0	46	58	1
North Dakota	10	6	79	7	65	7	0	22	0	17	5	0
Ohio	77	67	851	104	600	139	8	361	13	154	183	11
Oklahoma	28	26	218	33	169	16	0	44	2	28	14	0
Oregon	18	18	189	46	133	9	1	82	6	54	22	0
Pennsylvania	105	88	1,135	155	844	132	4	308	12	197	97	2
Rhode Island	7	4	83	24	55	4	0	11	4	7	0	0
South Carolina	23	17	232	62	159	10	1	55	0	34	21	0
South Dakota	9	9	87	7	55	24	1	46	0	19	25	2
Tennessee	38	38	402	77	294	26	5	89	6	59	22	2
Texas	69	66	940	225	708	6	1	130	17	102	10	1
Utah	5	5	120	34	70	16	0	45	8	28	9	0
Vermont	7	6	36	7	29	0	0	6	0	6	0	0
Virginia	41	37	422	92	287	40	3	107	11	80	16	0
Washington	27	26	277	76	185	16	0	121	3	92	25	1
West Virginia	22	19	180	23	145	11	1	40	0	19	20	1
Wisconsin	34	34	412	79	310	23	0	169	8	135	25	1
Wyoming	6	6	45	11	22	12	0	20	0	7	12	1
American Samoa	1	1	3	0	1	1	1	0	0	0	0	0
Guam	2	2	8	0	7	1	0	7	0	5	0	2
Puerto Rico	20	14	146	4	138	4	0	40	0	37	3	0
Virgin Islands	2	2	9	3	6	0	0	4	0	1	1	2
TOTAL	1,642	1,445	16,875	3,221	12,335	1,255	64	5,380	353	3,423	1,481	123

[1] Excluding chief administrator of program

Credentials of Full-Time Faculty in Accredited and Non-Accredited Programs (Table F-15)

- In the last 16 years, the percentage of faculty with doctoral degrees across all types of accredited programs has increased seven-fold, from 3 percent in 1972 to 20.9 percent in 1988. In non-accredited programs, the percentage of doctorally prepared faculty is much lower, but over the 16-year period it has increased from 1.4 percent to 5.4 percent.

- Master's prepared faculty in both accredited and non-accredited programs have increased from about 48 – 49 percent to about 75 percent in the past 16 years.

- In accredited baccalaureate and higher degree programs, 99.1 percent of the faculty have a graduate degree, while in non-accredited programs only 78.0 percent of the faculty have graduate degrees.

- In accredited associate degree programs, 91.9 percent of faculty have a graduate degree. In contrast, in non-accredited programs only 78.0 percent of the faculty have graduate degrees.

- In accredited diploma programs, 77.4 percent of faculty had graduate preparation, compared with 42.8 percent in non-accredited programs. With the considerable decrease in number of diploma faculty, the accredited program faculty are becoming much more highly credentialed.

Table F-15

HIGHEST EARNED CREDENTIAL OF FULL-TIME FACULTY IN ACCREDITED AND NON-ACCREDITED PROGRAMS: 1972-1988

YEAR	ACCREDITED PROGRAMS					NON-ACCREDITED PROGRAMS				
	Number of Faculty	Doctorate %	Master's %	Baccalaureate %	Other %	Number of Faculty	Doctorate %	Master's %	Baccalaureate %	Other %
ALL REPORTING PROGRAMS										
1972	13,242	3.0	48.3	38.7	10.0	3,552	1.4	49.0	41.2	8.4
1974	15,138	4.0	52.5	36.0	7.5	4,066	1.8	50.2	41.0	7.0
1976	16,612	5.0	57.8	32.3	4.9	3,963	1.6	52.8	40.6	5.0
1978	16,483	5.9	63.2	27.9	3.0	3,734	2.1	59.3	34.1	4.5
1980	16,934	7.5	68.3	22.2	2.0	3,421	4.3	66.2	27.0	2.5
1982	16,713	9.3	71.7	17.9	1.1	3,029	3.7	69.4	25.1	1.8
1984	17,208	11.7	73.7	13.9	0.8	2,863	3.8	68.8	25.5	1.9
1986	15,541	14.9	74.6	9.6	0.5	2,431	3.6	75.6	19.5	1.4
1988	14,424	20.9	73.2	5.6	0.3	2,659	5.4	77.1	17.0	0.5
BACCALAUREATE AND HIGHER DEGREE										
1972	4,912	7.6	82.2	10.2	0.0	622	5.9	78.9	15.0	0.2
1974	6,193	9.2	79.9	10.9	0.0	851	6.2	74.1	18.6	1.1
1976	7,637	10.1	79.4	10.2	0.3	933	4.7	72.2	21.8	1.3
1978	7,842	11.9	81.1	7.0	0.0	952	6.1	75.1	17.9	0.9
1980	8,441	13.9	81.4	4.7	0.0	1,090	9.7	81.9	8.4	0.0
1982	8,632	16.8	80.0	3.2	0.0	870	9.3	84.9	5.3	0.0
1984	8,959	21.1	76.6	2.3	0.0	718	8.9	80.5	10.4	0.1
1986	8,429	25.3	73.2	1.5	0.0	752	6.1	88.8	5.1	0.0
1988	8,358	33.8	65.3	0.8	0.1	716	12.8	82.0	5.2	0.0
ASSOCIATE DEGREE PROGRAMS										
1972	1,442	1.0	64.7	33.0	1.3	2,146	0.5	53.3	43.1	3.1
1974	2,349	1.1	63.5	33.6	1.8	2,646	0.7	50.4	44.3	4.6
1976	3,078	1.3	63.8	32.9	2.0	2,602	0.7	51.5	43.5	4.3
1978	3,464	1.0	68.2	29.3	1.5	2,475	0.8	58.0	36.8	4.4
1980	3,932	2.2	73.6	23.1	1.1	2,104	1.9	62.8	32.7	2.6
1982	3,838	2.1	80.2	17.2	0.5	2,025	1.3	65.0	31.3	2.4
1984	4,400	2.7	82.5	14.3	0.6	2,052	2.2	65.7	29.7	2.4
1986	4,266	3.7	84.1	11.9	0.4	1,641	2.5	69.8	25.7	2.2
1988	4,050	4.1	87.8	7.4	0.6	1,936	2.6	75.4	21.2	0.7
DIPLOMA PROGRAMS										
1972	6,888	0.2	20.7	60.2	18.9	784	0.1	13.7	56.8	29.4
1974	6,596	0.2	22.8	60.3	16.7	569	0.2	13.7	59.4	26.7
1976	5,897	0.2	26.6	60.6	12.6	428	0.0	18.0	63.3	18.7
1978	5,177	0.3	32.9	58.5	8.3	307	0.0	21.2	62.5	16.3
1980	4,561	0.3	39.4	54.0	6.3	227	0.0	22.0	63.5	14.5
1982	4,243	0.4	47.1	48.4	4.1	134	0.0	33.6	61.2	5.2
1984	3,849	0.4	56.7	40.5	2.4	93	0.0	46.2	49.5	4.3
1986	2,846	1.0	66.2	30.3	2.5	38	0.0	60.5	36.8	2.6
1988	2,016	1.0	76.4	21.6	1.0	7	0.0	42.8	57.1	0.0

Comparison of Credentials of Part-Time Faculty in Accredited and Non-Accredited Programs (Table F-16)

- Seventy-four percent of part-time faculty in all accredited programs have graduate degrees, in contrast to 53.6 percent in non-accredited programs.
- The distribution of credentials of part-time faculty in baccalaureate and higher degree programs is very similar in accredited and non-accredited programs.
- Accredited associate degree programs have a higher percentage of part-time faculty with master's degree preparation (50.1%) than non-accredited programs (38.8%). A lower percentage of part-time faculty in accredited associate degree programs have the baccalaureate as their highest credential (41.0%) than in non-accredited programs (57.4%).
- Accredited diploma programs have a higher percentage (58.6%) of master's prepared faculty than do non-accredited programs (25.0%).

Table F-16

HIGHEST EARNED CREDENTIAL OF PART-TIME FACULTY IN ACCREDITED AND NON-ACCREDITED PROGRAMS: 1972-1988

YEAR	ACCREDITED PROGRAMS					NON-ACCREDITED PROGRAMS				
	Number of Faculty	Doctorate %	Master's %	Baccalaureate %	Other %	Number of Faculty	Doctorate %	Master's %	Baccalaureate %	Other %
ALL REPORTING PROGRAMS										
1972	2,213	2.5	38.0	45.0	14.5	666	2.7	32.0	52.3	13.0
1974	2,831	2.9	38.4	47.1	11.6	949	2.3	31.1	50.6	16.0
1976	3,175	3.1	42.9	45.4	8.6	946	1.9	28.0	53.9	16.2
1978	3,438	3.3	47.7	43.3	5.7	1,019	1.7	32.8	54.5	11.0
1980	3,791	2.7	53.0	39.3	5.0	990	1.2	37.3	49.2	12.3
1982	4,076	4.3	55.7	36.8	3.2	1,091	1.4	36.8	53.9	7.9
1984	4,943	3.4	60.7	33.8	2.2	1,352	2.4	36.2	50.7	10.6
1986	4,647	6.2	67.0	25.7	1.2	1,170	3.6	52.4	38.6	5.4
1988	4,505	7.1	67.3	23.4	2.2	945	2.8	49.6	45.3	2.3
BACCALAUREATE AND HIGHER DEGREE										
1972	750	4.4	67.1	28.1	0.4	127	4.7	49.6	43.3	2.4
1974	1,125	6.1	63.0	30.2	0.7	213	3.3	52.1	42.7	1.9
1976	1,540	4.8	62.8	31.4	1.0	221	7.7	58.8	29.4	3.2
1978	1,670	5.8	68.0	25.7	0.5	249	5.2	57.5	36.9	0.4
1980	1,866	4.7	75.6	19.5	0.2	242	3.7	73.6	22.3	0.4
1982	2,028	8.2	73.9	17.9	0.0	226	4.9	77.0	18.1	0.0
1984	2,404	6.2	80.3	13.5	0.0	322	6.2	64.6	28.6	0.0
1986	2,533	9.7	80.5	9.7	0.1	428	8.4	79.2	12.4	0.0
1988	2,392	10.2	81.1	8.4	0.3	230	8.7	83.5	7.4	0.4
ASSOCIATE DEGREE PROGRAMS										
1972	314	0.0	35.4	58.3	6.3	346	0.9	27.7	59.5	11.9
1974	582	0.4	32.5	61.5	5.6	628	2.4	26.7	52.1	18.8
1976	742	2.4	31.1	61.5	5.0	677	0.0	18.6	61.7	19.7
1978	898	0.6	34.3	60.8	4.3	724	0.4	24.6	61.2	13.8
1980	1,141	0.9	34.8	58.9	5.4	711	0.3	25.7	57.7	16.3
1982	1,312	0.3	41.4	54.6	3.7	834	0.4	27.0	62.8	9.8
1984	1,815	0.7	39.4	50.5	3.0	1,006	1.2	27.3	57.5	14.1
1986	1,596	2.1	52.3	44.1	1.5	731	0.7	37.1	53.9	8.4
1988	1,722	4.0	50.1	41.0	4.9	711	0.8	38.8	57.4	3.0
DIPLOMA PROGRAMS										
1972	1,149	1.9	19.8	52.3	26.0	193	4.7	28.0	45.0	22.3
1974	1,124	1.0	16.8	56.7	25.5	106	0.0	14.8	57.4	27.8
1976	893	0.7	18.2	56.3	24.8	48	2.1	18.8	56.2	22.9
1978	870	1.5	22.8	58.8	16.9	46	2.2	28.2	43.5	26.1
1980	784	0.6	25.8	57.9	15.7	37	2.7	21.6	62.2	13.5
1982	736	0.5	31.3	57.3	10.9	31	3.2	9.7	74.2	12.9
1984	724	0.7	32.7	59.3	7.4	24	4.2	29.2	62.5	4.2
1986	528	1.5	46.4	47.0	5.0	11	9.1	27.3	45.5	18.2
1988	391	1.5	58.6	37.3	2.6	4	0.0	25.0	75.0	0.0

Nursing Versus Non-Nursing Degrees: Full-Time Faculty (Table F-17)

- This table reports the percentage of full-time faculty that have their highest degree in nursing or in another field. The information is presented by type of program and NLN region. In interpreting percentages, note the differences in actual numbers of faculty in each section of the table.

- Over all programs, 35.9 percent of the doctoral degrees are in nursing. The North Atlantic region has the highest percentage of nursing doctoral degrees (47.3%).

- In baccalaureate and higher degree programs, 36.5 percent of the full-time faculty with doctoral degrees have their doctorate in nursing. Again, the highest percentage is in the North Atlantic region.

- In baccalaureate and higher degree programs, 95.6 percent of the full-time faculty whose highest credential is a master's degree have their degree in nursing. In associate degree programs, 89.5 percent of the master's prepared faculty have degrees in nursing; in diploma programs, 72 percent of the master's prepared faculty have nursing degrees.

- Over all programs, 85.4 percent of the baccalaureate-prepared faculty have their degree in nursing. In baccalaureate and higher degree programs, 96 percent of the full-time faculty prepared at the baccalaureate level majored in nursing.

Table F-17

CREDENTIALS OF FULL-TIME FACULTY: PERCENTAGE OF NURSING AND NON-NURSING DEGREES, BY TYPE OF PROGRAM AND NLN REGION:1988

NLN REGION	DOCTORATE			MASTER'S DEGREE			BACCALAUREATE		
	Total Number Doctorate	Nursing Major (percent)	Non-Nursing Major (percent)	Total Number Master's	Nursing Major (percent)	Non-Nursing Major (percent)	Total Number	Nursing Major (percent)	Non-Nursing Major (percent)
ALL REPORTING RN PROGRAMS									
All Regions	3,221	35.9	64.1	12,411	88.0	12.0	1,387	85.4	14.6
North Atlantic	785	47.3	52.7	3,068	90.4	9.6	289	90.3	9.7
Midwestern	783	28.1	71.9	3,336	84.8	15.2	523	91.8	8.2
Southern	1,056	34.2	65.7	4,219	88.8	11.2	341	95.0	5.0
Western	597	33.9	66.1	1,788	87.8	12.2	234	51.7	48.3
BACCALAUREATE AND HIGHER DEGREE PROGRAMS									
All Regions	2,982	36.5	63.5	6,066	95.6	4.4	104	96.2	3.8
North Atlantic	724	47.9	52.1	1,397	97.3	2.7	12	100.0	0.0
Midwestern	743	28.9	71.1	1,792	94.9	5.1	66	93.9	6.1
Southern	962	24.5	65.5	2,006	96.3	3.7	23	100.0	0.0
Western	553	35.3	64.7	872	92.8	7.2	3	100.0	0.0
ASSOCIATE DEGREE PROGRAMS									
All Regions	218	28.9	71.1	4,796	83.5	16.5	819	82.1	17.9
North Atlantic	50	44.0	56.0	965	89.5	10.5	76	92.1	7.9
Midwestern	34	14.7	85.3	1,077	77.4	22.6	263	93.5	6.5
Southern	90	32.2	67.8	1,885	83.9	16.1	252	95.6	4.4
Western	44	16.7	83.3	867	83.7	16.2	228	50.4	49.6
DIPLOMA PROGRAMS									
All Regions	21	14.3	85.7	1,549	72.0	28.0	444	89.2	10.8
North Atlantic	11	18.2	81.8	726	78.4	21.6	181	89.0	11.0
Midwestern	6	0.0	100.0	467	63.0	37.0	194	88.7	11.3
Southern	4	25.0	75.0	329	71.7	28.3	66	90.9	9.1
Western	0	–	–	27	59.3	40.7	3	100.0	0.0

Nursing Versus Non-Nursing Degrees: Part-Time Faculty (Table F-18)

- This table reports the percentage of part-time faculty that have their highest degree in nursing or in another field. The information is presented by type of program and NLN region. When interpreting percentages, be sure to note the differences in actual numbers of faculty in each section of the table.

- Of all part-time faculty with doctoral preparation, 32.6 percent have their degree in nursing.

- Among part-time faculty with a master's degree, 90.3 percent majored in nursing. In baccalaureate and higher degree programs, 94.9 percent of master's prepared part-time faculty have a nursing degree; in associate degree programs, 85.4 percent have a degree in nursing; and in diploma programs, 72.9 percent have a nursing degree.

- Across all programs, 82.2 percent of baccalaureate-prepared part-time faculty have a degree in nursing.

Table F-18

HIGHEST EARNED CREDENTIAL OF PART-TIME FACULTY BY TYPE OF PROGRAM AND NLN REGION:1988

NLN REGION	DOCTORATE			MASTER'S DEGREE			BACCALAUREATE		
	Total Number	Nursing Major (percent)	Non-Nursing Major (percent)	Total Number	Nursing Major (percent)	Non-Nursing Major (percent)	Total Number	Nursing Major (percent)	Non-Nursing Major (percent)
ALL REPORTING RN PROGRAMS									
All Regions	353	32.6	67.4	3,423	90.3	9.7	1,481	82.2	17.8
North Atlantic	133	34.6	65.4	1,142	93.0	7.0	299	97.7	2.3
Midwestern	73	31.5	68.5	974	89.2	10.8	606	94.4	5.6
Southern	74	35.1	64.9	714	89.8	10.2	316	31.0	69.0
Western	73	27.4	72.6	593	87.5	12.5	280	98.1	1.9
BACCALAUREATE AND HIGHER DEGREE PROGRAMS									
All Regions	272	35.7	64.3	2,054	94.9	5.1	218	98.2	1.8
North Atlantic	85	48.2	51.8	607	94.9	5.1	29	96.6	3.4
Midwestern	68	33.8	66.2	666	95.3	4.7	109	99.1	0.9
Southern	65	29.2	70.8	407	94.8	5.2	36	94.4	5.6
Western	54	25.9	74.1	374	94.4	5.6	44	100.0	0.0
ASSOCIATE DEGREE PROGRAMS									
All Regions	75	20.0	80.0	1,140	85.4	14.6	1,112	78.0	22.0
North Atlantic	44	6.8	93.2	397	95.2	4.8	198	98.5	1.5
Midwestern	4	0.0	100.0	244	79.5	20.5	442	94.3	5.7
Southern	8	75.0	25.0	280	84.6	15.4	256	17.2	82.8
Western	19	42.9	57.1	218	75.7	24.3	212	97.2	2.3
DIPLOMA PROGRAMS									
All Regions	6	50.0	50.0	229	72.9	27.1	151	90.1	9.9
North Atlantic	4	50.0	50.0	137	78.8	21.2	72	95.8	4.2
Midwestern	1	0.0	100.0	64	62.5	37.5	56	85.5	14.5
Southern	1	100.0	0.0	27	66.7	33.3	24	83.3	16.7
Western	0	—	—	1	100.0	0.0	0	—	—

Highest Earned Credentials of Graduate Faculty (Table F-19)

- Table F-19 presents the highest earned credential of faculty who teach at the graduate level.
- Of all full-time faculty teaching only at the graduate level, 78.0 percent have a doctorate, with 30.8 percent of those individuals having a major in nursing.
- Of all full-time faculty teaching at both the graduate and undergraduate levels, 73.2 percent have a doctorate; 22.7 percent of these individuals have their doctorate in nursing.
- Of all part-time graduate faculty, 41.4 percent have a doctoral degree, and 11.3 percent of these individuals have their degree in nursing.
- The Midwestern region has the lowest percentage of graduate faculty with a doctorate in nursing.
- The North Atlantic region has the highest percentage of graduate faculty with a doctorate in nursing.
- The North Atlantic region has the highest percentage of full-time faculty teaching only at the graduate level without a doctorate.

Table F-19
HIGHEST EARNED CREDENTIAL OF GRADUATE FACULTY, BY NLN REGION :1988
Percent of Faculty with Highest Credential

NLN REGION	TOTAL GRADUATE FACULTY		PERCENT WITH DOCTORATE		PERCENT WITH MASTER'S DEGREE	PERCENT WITH OTHER
	Number	Percent	Nursing	Non-Nursing	Nursing	
FULL-TIME FACULTY TEACHING ONLY AT THE GRADUATE LEVEL						
All Regions	995	100	30.8	47.2	20.2	1.8
North Atlantic	241	100	36.5	34.4	28.2	0.8
Midwestern	227	100	24.2	59.9	13.2	2.6
Southern	383	100	31.6	48.6	18.5	1.3
Western	144	100	29.2	45.1	22.2	3.8
FULL-TIME FACULTY TEACHING AT BOTH GRADUATE AND UNDERGRADUATE LEVELS						
All Regions	1,518	100	22.7	50.5	25.7	1.1
North Atlantic	257	100	37.4	34.2	26.8	1.6
Midwestern	501	100	12.2	68.3	19.2	0.4
Southern	478	100	20.9	45.2	33.3	0.6
Western	282	100	31.2	42.9	23.4	2.5
PART-TIME GRADUATE FACULTY						
All Regions	326	100	11.3	30.1	54.6	4.0
North Atlantic	85	100	17.6	21.2	58.8	2.4
Midwestern	55	100	7.3	43.6	43.0	5.5
Southern	95	100	11.6	25.3	58.9	4.2
Western	91	100	7.7	35.2	52.7	4.4

Faculty Characteristics

Ethnic Background of Administrators (Table F-20)

- The distribution of ethnic background of program administrators is presented in Table F-20.
- In baccalaureate and higher degree programs the percentage of white administrators is similar to the data for full-time faculty.
- Black (non-hispanic) administrators represent the largest non-white ethnic background.

Table F-20
ETHNIC BACKGROUND OF ADMINISTRATORS, BY TYPE OF PROGRAM AND REGION: 1988

NLN REGION[1]	Total Full-Time Faculty		American Indian or Alaskan Native		Asian or Pacific Islander		Black (Non-Hispanic)		Hispanic		White (Other Than Hispanic)	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
ALL REPORTING RN PROGRAMS												
All Regions	1,795	100	18	1.0	29	1.6	96	5.3	11	0.6	1,641	91.4
North Atlantic	435	100	2	0.5	3	0.7	23	5.3	2	0.5	405	93.1
Midwestern	521	100	5	1.0	8	1.5	18	3.5	2	0.4	488	93.7
Southern	592	100	4	0.7	7	1.2	36	6.1	5	0.8	540	91.2
Western	247	100	7	2.8	11	4.5	19	7.7	2	0.8	208	84.2
BACCALAUREATE AND HIGHER DEGREE PROGRAMS												
All Regions	836	100	3	0.4	14	1.7	42	5.0	1	0.1	776	92.8
North Atlantic	173	100	0	0.0	1	0.6	11	6.4	1	0.6	160	92.5
Midwestern	242	100	1	0.4	4	1.7	9	3.7	0	0.0	228	94.2
Southern	295	100	1	0.3	3	1.0	20	6.8	0	0.0	271	91.9
Western	126	100	1	0.8	6	4.8	2	1.6	0	0.0	117	92.9
ASSOCIATE DEGREE PROGRAMS												
All Regions	634	100	13	2.1	12	1.9	47	7.4	8	1.3	554	87.4
North Atlantic	111	100	1	0.9	1	0.9	10	9.0	0	0.0	99	89.2
Midwestern	166	100	4	2.4	4	2.4	7	4.2	1	0.6	150	90.4
Southern	238	100	2	0.8	2	0.8	13	5.5	5	2.1	216	90.8
Western	119	100	6	5.0	5	4.2	17	14.3	2	1.7	89	74.8
DIPLOMA PROGRAMS												
All Regions	325	100	2	0.6	3	0.9	7	2.2	2	0.6	311	95.7
North Atlantic	151	100	1	0.7	1	0.7	2	1.3	1	0.7	146	96.7
Midwestern	113	100	0	0.0	0	0.0	2	1.8	1	0.9	110	97.3
Southern	59	100	1	1.7	2	3.4	3	5.1	0	0.0	53	89.8
Western	2	100	0	0.0	0	0.0	0	0.0	0	0.0	2	100.0

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Ethnic Background of Faculty (Tables F-21 and F-22)

- Percentages of full-time faculty who were members of ethnic minority groups in 1988 were slightly lower than in 1986 and 1984 with 8.5 percent belonging to an ethnic minority group.
- Associate degree programs had the highest percentage of full-time faculty from ethnic minority groups (10.4%), and diploma programs had the lowest percentage (7.2%).
- Diploma programs in the West reported the highest overall proportion of full-time faculty from minority groups, with 23.3 percent black, non-Hispanic, 23.3 percent Asian or Pacific Islander, and 3 percent American Indian or Alaskan Native. However, the actual number of minority faculty members in these programs was low since there are so few diploma programs in the Western region.
- Non-Hispanic blacks constitute the largest minority group among full-time faculty in all regions and program types.
- Overall, a smaller percentage of part-time faculty (5.1%) come from an ethnic minority background than is found for full-time faculty. Black (non-Hispanic) faculty members make up only 4.4 percent of part-time faculty, compared with 5.6 percent of full-time faculty.
- Hispanics comprise 0.9 percent of full-time and 0.6 percent of part-time faculty.

Table F-21
ETHNIC BACKGROUND OF FULL-TIME FACULTY, BY TYPE OF PROGRAM AND REGION: 1988

NLN REGION[1]	Total Full-Time Faculty		American Indian or Alaskan Native		Asian or Pacific Islander		Black (Non-Hispanic)		Hispanic		White (Other Than Hispanic)	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
ALL REPORTING RN PROGRAMS												
All Regions	16,514	100	91	0.6	252	1.5	920	5.6	144	0.9	15,107	91.5
North Atlantic	4,115	100	26	0.6	53	1.3	177	4.3	20	0.5	3,839	93.3
Midwestern	4,523	100	7	0.2	61	1.3	169	3.7	14	0.3	4,272	94.5
Southern	5,413	100	31	0.6	44	0.8	469	8.7	61	1.1	4,808	88.8
Western	2,463	100	27	1.1	94	3.8	105	4.3	49	2.0	2,188	88.8
BACCALAUREATE AND HIGHER DEGREE PROGRAMS												
All Regions	8,919	100	34	0.4	136	1.5	443	5.0	66	0.7	8,240	92.4
North Atlantic	2,175	100	1	0.0	24	1.1	87	4.0	14	0.6	2,049	94.2
Midwestern	2,481	100	6	0.2	34	1.4	85	3.4	6	0.2	2,350	94.7
Southern	2,852	100	11	0.4	31	1.1	234	8.2	26	0.9	2,550	89.4
Western	1,411	100	16	1.1	47	3.3	37	2.6	20	1.4	1,291	91.5
ASSOCIATE DEGREE PROGRAMS												
All Regions	5,622	100	45	0.8	86	1.5	388	6.9	66	1.2	5,037	89.6
North Atlantic	1,022	100	14	1.4	10	1.0	70	6.8	3	0.3	925	90.5
Midwestern	1,407	100	1	0.1	23	1.6	60	4.3	5	0.4	1,318	93.7
Southern	2,171	100	20	0.9	13	0.6	197	9.1	30	1.4	1,911	88.0
Western	1,022	100	10	1.0	40	3.9	61	6.0	28	2.7	883	86.4
DIPLOMA PROGRAMS												
All Regions	1,973	100	12	0.6	30	1.5	89	4.5	12	0.6	1,830	92.8
North Atlantic	918	100	11	1.2	19	2.1	20	2.2	3	0.3	865	94.2
Midwestern	635	100	0	0.0	4	0.6	24	3.8	3	0.5	604	95.1
Southern	390	100	0	0.0	0	0.0	38	9.7	5	1.3	347	89.0
Western	30	100	1	3.3	7	23.3	7	23.3	1	3.3	14	46.7

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands

Table F-22

ETHNIC BACKGROUND OF PART-TIME FACULTY BY NLN REGION AND TYPE OF PROGRAM: 1988

NLN REGION[1]	Total Part-Time Faculty		American Indian or Alaskan Native		Asian or Pacific Islander		Black (Non-Hispanic)		Hispanic		White (Other Than Hispanic)	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
ALL REPORTING RN PROGRAMS												
All Regions	6,755	100	30	0.4	60	0.9	211	3.1	42	0.6	6,412	94.9
North Atlantic	2,236	100	12	0.5	18	0.8	92	4.1	9	0.4	2,105	94.1
Midwestern	2,216	100	8	0.4	10	0.5	32	1.4	6	0.3	2,160	97.5
Southern	1,406	100	7	0.5	8	0.6	68	4.8	8	0.6	1,315	93.5
Western	897	100	3	0.3	24	2.7	19	2.1	19	2.1	832	92.8
BACCALAUREATE AND HIGHER DEGREE PROGRAMS												
All Regions	2,481	100	9	0.4	31	1.2	87	3.5	16	0.6	2,338	94.2
North Atlantic	715	100	1	0.1	11	1.5	47	6.6	3	0.4	653	91.3
Midwestern	827	100	7	0.8	5	0.6	11	1.3	3	0.4	801	96.9
Southern	472	100	0	0.0	1	0.2	25	5.3	4	0.8	442	93.6
Western	467	100	1	0.2	14	3.0	4	0.9	6	1.3	442	94.6
ASSOCIATE DEGREE PROGRAMS												
All Regions	2,430	100	20	0.8	26	1.1	117	4.8	23	0.9	2,244	92.3
North Atlantic	649	100	10	1.5	4	0.6	43	6.6	5	0.8	587	90.4
Midwestern	782	100	1	0.1	5	0.6	19	2.4	2	0.3	755	96.5
Southern	584	100	7	1.2	7	1.2	40	6.8	4	0.7	526	90.1
Western	415	100	2	0.5	10	2.4	15	3.6	12	2.9	376	90.6
DIPLOMA PROGRAMS												
All Regions	1,844	100	1	0.1	3	0.2	7	0.4	3	0.2	1,830	99.2
North Atlantic	872	100	1	0.1	3	0.3	2	0.2	1	0.1	865	99.2
Midwestern	607	100	0	0.0	0	0.0	2	0.3	1	0.2	604	99.5
Southern	350	100	0	0.0	0	0.0	3	0.9	0	0.0	347	99.1
Western	15	100	0	0.0	0	0.0	0	0.0	1	6.7	14	93.3

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Number of Male Faculty Members (Tables F-23 and F-24)

- A total of 416 male full-time faculty and 238 male part-time faculty members were reported in the survey.
- There has been a 31.4 percent decrease in full-time male faculty and a 36.5 percent decrease in part-time male faculty over the last two years.
- Male faculty constituted 2.5 percent of the full-time faculty and 3.5 percent of the part-time faculty.
- Overall there was nearly one male full-time faculty member for every three nursing programs, and one male part-time faculty member for every five nursing programs.
- The percentage of male full-time faculty across the regions ranged from 4.1 percent in the Western region to 1.9 percent in the North Atlantic region. The North Atlantic region reported the smallest percentage of male part-time faculty as well (1.9%).
- Associate degree programs had the lowest percentage of full-time male faculty (1.8%).
- Diploma programs had the lowest percent of part-time male faculty (0.4%).
- The greatest percentages of part-time male faculty were found in baccalaureate programs in the Southern region (7.8%), and associate degree programs in the Western region (12.5%).

Table F-23
FULL-TIME MALE FACULTY BY TYPE OF PROGRAM AND REGION:1988

NLN Region	Number of Responding Programs	Total Number of Full-Time Faculty	Number of Full-Time Male Faculty	Mean Number of Full-Time Male Faculty per Program	Full-Time Male Faculty (percent of total)
ALL REPORTING PROGRAMS					
All Regions	1,400	16,514	416	0.3	2.5
North Atlantic	326	4,115	77	0.2	1.9
Midwestern	406	4,523	96	0.2	2.1
Southern	473	5,413	142	0.3	2.6
Western	195	2,463	101	0.5	4.1
BACCALAUREATE AND HIGHER DEGREE PROGRAMS					
All Regions	568	8,919	268	0.5	3.0
North Atlantic	136	2,175	35	0.3	1.6
Midwestern	176	2,481	59	0.3	2.4
Southern	182	2,852	99	0.5	3.5
Western	74	1,411	75	1.0	5.3
ASSOCIATE DEGREE PROGRAMS					
All Regions	668	5,622	99	0.1	1.8
North Atlantic	109	1,022	26	0.2	2.5
Midwestern	178	1,407	17	0.1	1.2
Southern	261	2,171	31	0.1	1.4
Western	120	1,022	25	0.2	2.4
DIPLOMA PROGRAMS					
All Regions	164	1,973	49	0.3	2.5
North Atlantic	81	918	16	0.2	1.7
Midwestern	52	635	20	0.4	3.1
Southern	30	390	12	0.4	3.1
Western	1	30	1	1.0	3.3

Table F-24
PART-TIME MALE FACULTY BY TYPE OF PROGRAM AND REGION:1988

NLN Region	Number of Responding Programs	Total Number of Part-Time Faculty	Number of Part-Time Male Faculty	Mean Number of Part-Time Male Faculty per Program	Part-Time Male Faculty (percent of total)
ALL REPORTING PROGRAMS					
All Regions	1,400	6,755	238	0.2	3.5
North Atlantic	326	2,236	40	0.1	1.8
Midwestern	406	2.216	86	0.2	3.9
Southern	473	1,406	46	0.1	3.3
Western	195	897	66	0.3	7.4
BACCALAUREATE AND HIGHER DEGREE PROGRAMS					
All Regions	568	2.481	142	0.3	5.7
North Atlantic	136	715	24	0.2	3.4
Midwestern	176	827	67	0.4	8.1
Southern	182	472	37	0.2	7.8
Western	74	467	14	0.2	3.0
ASSOCIATE DEGREE PROGRAMS					
All Regions	668	2.430	88	0.1	3.6
North Atlantic	109	649	11	0.1	1.7
Midwestern	178	782	17	0.1	2.2
Southern	261	584	8	0.0	1.4
Western	120	415	52	0.4	12.5
DIPLOMA PROGRAMS					
All Regions	164	1,844	8	0.0	0.4
North Atlantic	81	872	5	0.1	0.6
Midwestern	52	607	2	0.0	0.3
Southern	30	350	1	0.0	0.3
Western	1	15	0	0.0	0.0

Faculty Workload

FACULTY WORKLOAD (Tables F-25 to F-34)

- For the information presented in Tables F-25 to F-34, each program was asked to indicate the number of hours and the number of students for a typical full-time faculty member.
- The various faculty activities listed in the tables are described in the section "Definition of Terms" at the beginning of this book.

Faculty Hours Per Week—Basic Nursing Students (Table F-25)

- Table F-25 shows the mean, standard deviation, and range for hours of faculty time per week for each activity for faculty teaching in basic nursing programs.

- Clinical teaching represents the major activity in the typical faculty workload, with a mean of 13.5 hours per week for all programs. A considerable difference was found among number of hours of clinical teaching by type of program. Generic baccalaureate programs had a mean of 12.2 and associate degree programs a mean of 13.6 hours per week, while diploma programs had the highest mean for clinical teaching of 17.5 hours per week.

- The means for classroom teaching ranged from 4.6 hours per week in baccalaureate programs to 5.2 in diploma programs. The mean for associate degree programs was 4.7 hours per week.

- The highest figure for hours spent in advisement and counseling was reported in baccalaureate programs (3.9 hours per week) and the lowest in diploma programs (3.1 hours per week).

Table F-25
COMPARISON OF FACULTY WORKLOAD BY TYPE OF PROGRAM:1988

FACULTY ACTIVITY	ALL PROGRAMS			BACCALAUREATE PROGRAMS			ASSOCIATE DEGREE PROGRAMS			DIPLOMA PROGRAMS		
	Mean	s.d.	Range	Mean	s.d.	Range	Mean	s.d.	Range	Mean	s.d.	Range
Classroom teaching	4.7	2.9	0-18	4.6	2.9	1-17	4.7	2.8	0-18	5.2	3.2	0-16
Clinical teaching	13.5	4.1	0-24	12.2	4.2	0-18	13.6	4.1	0-24	17.5	3.9	0-24
Advisement/counseling	3.8	3.2	0-20	3.9	4.7	0-20	3.8	3.0	0-12	3.1	2.1	0-18
Preparation hours	8.7	5.2	0-32	9.4	6.4	0-32	8.3	5.0	0-41	7.6	3.8	0-23
Committees	3.3	2.3	0-17	4.0	3.1	0-17	2.9	2.0	0-15	2.9	1.7	0-12

Faculty Hours—Percentiles (Table F-26)

- The number of hours per week spent on each faculty activity is broken down into percentiles in Table F-26. The interval between the 25th percentile and the 75th percentile represents the middle 50 percent of programs (see "Definition of Terms" under *percentile*.) The median value (50th percentile) is a measure of the typical program in that half the programs are equal to or below that value and the other half are greater than that value.
- Most of the nursing education program faculty spend between three and six hours a week in classroom teaching.
- In clinical teaching, diploma faculty had a much higher number of hours per week. The 25th percentile for diploma programs was 16 hours per week, while associate degree and generic baccalaureate programs reached 16 hours at the 75th percentile.
- The number of hours for advisement, preparation, and committee activities is similar across the types of programs.

Table F-26
COMPARISON OF FACULTY WORKLOAD BY TYPE OF PROGRAM:1988 PERCENTILES

FACULTY ACTIVITY	ALL PROGRAMS			BACCALAUREATE PROGRAMS			ASSOCIATE DEGREE PROGRAMS			DIPLOMA PROGRAMS		
	25th	50th	75th	25th	50th	75th	25th	50th	75th	25th	50th	75th
Classroom teaching	3	4	6	3	4	6	3	4	5	3	5	6
Clinical teaching	12	14	16	10	12	15	12	14	16	16	17	20
Advisement	2	3	5	2	3	5	2	4	5	2	3	4
Preparation hours	5	8	10	6	9	12	5	8	10	5	7	10
Committees	2	3	4	2	4	5	2	2	4	2	2	4

Faculty Teaching Hours by NLN Region and Program Type (Table F-27)

- A comparison of the average faculty teaching hours by NLN region and type of program is presented in Table F-27.
- In all types of programs in the Western region faculty teach a significantly higher number ($p < .05$) of clinical hours each week.
- In the North Atlantic region faculty on the average teach less class and less clinical hours per week than in any other region.
- Faculty in baccalaureate programs in the North Atlantic region on the average teach less clinical hours than faculty in any other region.
- Baccalaureate faculty on the average have a higher number of hours per week for preparation for teaching, and for committee activities in comparison with faculty teaching in associate degree or diploma programs.

Table F-27
COMPARISON OF FACULTY TEACHING HOURS PER WEEK BY NLN REGIONS AND PROGRAM TYPE:1988
(Mean Number of Hours)

NLN REGION	NUMBER OF RESPONDING PROGRAMS	FACULTY ACTIVITIES				
		Class Hours	Clinical Hours	Advisement	Preparation for Teaching	Committee Activities
BACCALAUREATE AND HIGHER DEGREE PROGRAMS						
All Regions	568	4.6	12.2*	3.9	9.4	4.0
North Atlantic	136	4.4	11.2	3.6	9.4	4.0
Midwestern	176	4.6	12.5	3.6	9.8	3.8
Southern	182	4.7	12.6	4.2	8.7	4.0
Western	74	4.7	12.8	4.2	10.1	4.6
ASSOCIATE DEGREE PROGRAMS						
All Regions	668	4.7	13.6	3.8	8.3	2.9
North Atlantic	109	4.2	12.5	3.5	6.9	3.4
Midwestern	178	4.9	13.7	3.7	8.7	2.6
Southern	261	4.7	13.4	4.1	8.6	3.1
Western	120	4.7	14.7	3.5	8.2	2.7
DIPLOMA PROGRAMS						
All Regions	164	5.2	17.5	3.1	7.6	2.9
North Atlantic	81	5.1	16.8	3.2	7.2	3.1
Midwestern	52	5.7	18.3	2.9	8.3	2.7
Southern	30	5.1	17.7	3.0	7.3	2.8
Western	1	1.0	21.0	5.0	11.0	4.0

* Significant difference at .05 level

Comparison of Faculty Teaching Hours Per Week by Type of Baccalaureate Program and NLN Region (Table F-28)

- Table F-28 presents a comparison of faculty teaching load by NLN region in baccalaureate programs with generic students and those programs who admit registered nurse students only.
- Faculty teaching in baccalaureate programs for registered nurses teach significantly more classroom hours and less clinical hours than those faculty teaching in generic baccalaureate programs. This difference is consistent across all NLN regions.
- The North Atlantic region has significantly lower number of hours of clinical teaching than the Western region in both types of baccalaureate programs.

Table F-28
COMPARISON OF FACULTY TEACHING HOURS PER WEEK BY TYPE OF BACCALAUREATE PROGRAM AND NLN REGION:1988

NLN REGION	NUMBER OF RESPONDING PROGRAMS	MEAN NUMBER OF HOURS PER FACULTY ACTIVITY				
		Class Hours	Clinical Hours	Advisement	Preparation for Teaching	Committee Activities
GENERIC BACCALAUREATE PROGRAMS						
All Regions	437	4.2	13.2	3.8	9.4	4.0
North Atlantic	94	3.7	12.5	3.5	9.2	3.8
Midwestern	138	4.4	13.5	3.6	10.2	3.9
Southern	151	4.3	13.2	4.2	8.5	4.0
Western	54	4.3	13.9	3.9	10.0	4.6
BACCALAUREATE PROGRAMS FOR REGISTERED NURSES						
All Regions	129	6.0	8.8	4.2	9.3	4.2
North Atlantic	41	6.0	8.2	3.9	9.9	4.6
Midwestern	38	5.5	8.5	3.7	8.2	3.6
Southern	30	6.8	9.3	4.4	9.3	4.0
Western	20	5.9	9.6	5.3	10.4	4.9

Comparison of Faculty Teaching Hours Per Week by NLN Accreditation Status and Program Type (Table F-29)

- The comparison of faculty teaching hours by accreditation status and program type is presented in Table F-29.
- In general, faculty teaching in accredited programs teach less class hours per week than those in non-accredited programs.
- On the average, faculty in non-accredited associate degree programs teach more clinical hours than those in accredited programs.

Table F-29
COMPARISON OF FACULTY TEACHING HOURS PER WEEK BY NLN ACCREDITATION STATUS AND PROGRAM TYPE: 1988
(Mean Number of Hours)

NLN ACCREDITATION STATUS	NUMBER OF RESPONDING PROGRAMS	FACULTY ACTIVITIES				
		Class Hours	Clinical Hours	Advisement	Preparation for Teaching	Committee Activities
BACCALAUREATE AND HIGHER DEGREE PROGRAMS						
All Programs	564	4.6	12.2	3.9	9.4	4.0
Accredited	464	4.5	12.6	3.9	9.6	3.9
Non-Accredited	100	5.1	10.3	3.9	8.4	4.5
ASSOCIATE DEGREE PROGRAMS						
All Programs	684	4.7	13.6	3.8	8.3	2.9
Accredited	432	4.3	13.4	3.7	7.9	3.2
Non-Accredited	252	5.4	14.0	3.9	8.8	2.5
DIPLOMA PROGRAMS						
All Programs	164	5.2	17.5	3.1	7.6	2.9
Accredited	163	5.3	17.5	3.1	7.6	2.9
Non-Accredited	1	8.0	20.0	2.0	8.0	1.0

Comparison of Faculty Teaching Hours Per Week by Type of Baccalaureate Program and NLN Accreditation Status (Table F-30)

- The breakdown of average faculty teaching hours by type of baccalaureate program and accreditation status is presented in Table F-30.
- In general, faculty teaching in accredited baccalaureate programs teach more classroom and more clinical hours per week than faculty in non-accredited programs in both generic and RN only baccalaureate programs.
- Non-accredited generic baccalaureate programs report a higher number of committee hours than accredited programs, and more hours than both accredited and non-accredited baccalaureate programs for registered nurses.

Table F-30

COMPARISON OF FACULTY TEACHING HOURS PER WEEK BY TYPE OF BACCALAUREATE PROGRAM AND NLN ACCREDITATION STATUS:1988

NLN ACCREDITATION STATUS	NUMBER OF RESPONDING PROGRAMS	MEAN NUMBER OF HOURS PER FACULTY ACTIVITY				
		Class Hours	Clinical Hours	Advisement	Preparation for Teaching	Committee Activities
GENERIC BACCALAUREATE PROGRAMS						
All Programs	436	4.2	13.2	3.8	9.4	4.0
Accredited	381	4.6	13.3	3.8	9.4	3.9
Non-Accredited	55	4.1	12.4	3.8	9.1	4.8
BACCALAUREATE PROGRAMS FOR REGISTERED NURSES ONLY						
All Programs	128	6.0	8.8*	4.2	9.3**	4.2
Accredited	83	6.2	9.3	4.3	10.3	4.3
Non-Accredited	45	5.8	7.7	4.0	7.5	4.1

* Significant difference at .05 level

** Significant difference at .01 level

Comparison of Faculty Teaching Hours Per Week by Type of Institutional Support and Program Type (Table F-31)

- Table F-31 presents a comparison of average faculty teaching hours by type of institutional support: public, private secular, versus private religious support.
- The private secular diploma programs report a higher number of faculty clinical teaching hours than other types of diploma programs.
- In baccalaureate and associate degree programs the publicly supported institutions have higher average clinical teaching hours.

Table F-31
COMPARISON OF FACULTY TEACHING HOURS PER WEEK BY INSTITUTIONAL SUPPORT AND PROGRAM TYPE:1988

INSTITUTIONAL SUPPORT	NUMBER OF RESPONDING PROGRAMS	MEAN NUMBER OF HOURS PER FACULTY ACTIVITY				
		Class Hours	Clinical Hours	Advis[illegible]	Preparation for Teaching	Committee Activities
BACCALAUREATE AND HIGHER DEGREE PROGRAMS						
All Programs	565	4.6	12.2	3.9	9.3	4.0
Public	288	4.5	12.4	4.1	9.3	4.0
Private	103	4.7	11.6	3.6	9.8	4.1
Private: Religious	174	4.6	12.2	3.8	9.3	4.0
ASSOCIATE DEGREE PROGRAMS						
All Programs	684	4.7	13.6	3.8	8.3	2.9
Public	603	4.7	13.7	3.8	8.3	2.9
Private	40	4.8	13.0	3.5	7.7	3.2
Private: Religious	41	4.2	13.3	3.6	8.5	3.1
DIPLOMA PROGRAMS						
All Programs	162	5.2	17.5	3.1	7.6	2.9
Public	32	5.0	16.1	2.9	7.8	3.1
Private	96	5.2	18.0	3.0	7.2	2.9
Private: Religious	34	5.4	17.4	3.8	8.4	2.9

Comparison of Faculty Teaching Hours Per Week by Type of Baccalaureate Program and Institutional Support (Table F-32)

- The comparison of generic baccalaureate programs and programs that admit registered nurses only by type of institutional support (public, private, secular, versus private religious) is presented in Table F-32.
- Faculty teaching in private (secular) generic baccalaureate programs tend to teach the highest number of class hours and the lowest number of clinical hours of all generic baccalaureate programs.
- In baccalaureate programs for registered nurses, faculty teaching in private secular supported programs tend to teach less class hours and spend less time on advisement than other RN programs.

Table F-32
MEAN NUMBER OF FACULTY TEACHING HOURS PER WEEK BY TYPE OF BACCALAUREATE PROGRAM AND INSTITUTIONAL SUPPORT:1988

INSTITUTIONAL CONTROL	NUMBER OF RESPONDING PROGRAMS	FACULTY ACTIVITIES				
		Class Hours	Clinical Hours	Advisement	Preparation for Teaching	Committee Activities
GENERIC BACCALAUREATE PROGRAMS						
All Programs	436	4.2	13.2	3.8	9.4	4.0
Public	222	4.0	13.5	4.0	9.3	3.8
Private	78	4.6	12.6	3.5	10.4	4.1
Private: Religious	137	4.3	13.2	3.7	9.0	4.2
BACCALAUREATE PROGRAMS FOR REGISTERED NURSES ONLY						
All Programs	128	6.0	8.8	4.2	9.3	4.2*
Public	65	6.2	8.7	4.2	9.4	4.8
Private	26	5.2	8.7	3.8	8.1	3.7
Private: Religious	37	6.4	8.9	4.3	10.1	3.6

* Significant difference at .05 level.

Comparison of Graduate Faculty Teaching Hours by NLN Region, Accreditation Status, and Institutional Support (Table F-33)

- Table F-33 summarizes information about graduate teaching hours. Comparison is made in terms of NLN region, accreditation status, institutional support (public, private secular, versus private religious). In addition, the 25th, 50th, and 75th percentiles for each type of teaching activity are presented. The median value (50th percentile) is a measure of the typical program in that half of the programs are equal to or below the median, and the other half are greater than the median.

- Graduate faculty teaching in the Western region tend to teach more class hours, more clinical hours, have higher preparation hours, more committee hours, and community service than faculty in other regions. Faculty in the Midwestern region tend to have more research hours in a typical work week.

- Accredited graduate programs report a higher number of faculty class and clinical teaching hours, and less preparation time and research hours.

- Publicly supported programs report a higher number of class teaching hours, clinical teaching hours, preparation time, research, and community service.

- Most of the graduate programs report the typical faculty member teaches 6 class hours a week, 6 clinical hours, spends 8 hours on preparation, 4 hours on committees, 8 hours on research, and 4 hours in community service.

Table F-33

MEAN NUMBER OF GRADUATE FACULTY TEACHING HOURS BY NLN REGION, ACCREDITATION STATUS, AND INSTITUTIONAL SUPPORT:1988

CATEGORY	NUMBER OF RESPONDING PROGRAMS	FACULTY ACTIVITIES					
		Class Hours	Clinical Hours	Preparation	Committees	Research	Community Service
NLN REGION							
All Regions	145	6.2	6.8	9.6	4.4	8.2	3.8
North Atlantic	33	5.2	7.2	7.9	4.3	7.9	3.6
Midwestern	37	6.3	5.3	10.2	4.5	9.2	3.4
Southern	48	6.1	7.1	8.2	4.0	7.5	4.0
Western	27	7.2	8.1	13.3	5.3	8.6	4.6
ACCREDITATION STATUS							
Accredited	140	6.7	6.7	5.3	4.4	8.2	3.8
Non-Accredited	5	6.2	1.3	10.0	4.0	9.3	2.7
INSTITUTIONAL SUPPORT							
Public	104	6.4	7.1	10.0	4.5	8.6	4.0
Private	18	6.0	6.9	8.4	4.6	7.2	3.5
Private: Religious	23	5.6	5.9	8.5	4.2	7.1	3.2
PERCENTILES: ALL PROGRAMS							
25th	–	4	4	6	3	5	2
50th	–	5	6	8	4	8	4
75th	–	6	9	10	6	10	5

Faculty Workload—Number of Students For a Typical Full-time Faculty Member by Program Type (Table F-34)

- A comparison of the typical number of students in classroom and clinical teaching in each type of program is presented in Table F-34.
- Associate degree programs tend to have the highest number of students in the classroom.
- On the average, faculty have 9 students in the clinical teaching area.

Table F-34
FACULTY WORKLOAD: NUMBER OF STUDENTS FOR A TYPICAL FULL-TIME FACULTY MEMBER BY PROGRAM TYPE:1988

FACULTY ACTIVITY	ALL PROGRAMS			BACCALAUREATE PROGRAMS			ASSOCIATE DEGREE PROGRAMS			DIPLOMA PROGRAMS		
	Mean	s.d.	Range	Mean	s.d.	Range	Mean	s.d.	Range	Mean	s.d.	Range
Classroom Teaching	32.0	16.7	4-150	30.2	18.6	4-130	34.4	16.4	4-150	28.7	15.2	4-93
Clinical Teaching	9.0	3.5	1-67	8.8	3.4	1-67	9.5	2.6	4-47	7.2	7.2	4-23

Faculty Workload—Number of Students in Classroom and Clinical Teaching by Type of Program—Percentiles (Table F-35)

- Table F-35 shows the 25th, 50th, and 75th percentiles for the typical number of students in classroom and clinical teaching by type of program.
- Associate degree programs have the highest median (50th percentile) number of students in the clinical area with 10 students and the highest median number of students in the classroom (30 students).
- Diploma programs report the lowest number of students in classroom and clinical teaching.

Table F-35
FACULTY WORKLOAD: NUMBER OF STUDENTS BY CLASSROOM AND CLINICAL TEACHING BY TYPE OF PROGRAM: 1988 (PERCENTILES)

FACULTY ACTIVITY	ALL PROGRAMS			BACCALAUREATE PROGRAMS			ASSOCIATE DEGREE PROGRAMS			DIPLOMA PROGRAMS		
	25th	50th	75th	25th	50th	75th	25th	50th	75th	25th	50th	75th
Classroom Teaching	20	27	40	18	25	40	24	30	40	18	27	37
Clinical Teaching	8	9	10	8	9	10	8	10	10	6	8	9

Comparison of Number of Students in Classroom and Clinical Teaching by Type of Program and NLN Region (Table F-36)

- Table F-36 compares the mean number of students in classroom and clinical teaching by type of program and NLN region.
- There is a significantly higher number of students in the clinical group in the Western region in baccalaureate and associate degree programs.
- In associate degree programs in the North Atlantic region there is a significantly higher number of students in the classroom.

Table F-36
COMPARISON OF NUMBER OF STUDENTS IN CLASSROOM AND CLINICAL TEACHING BY TYPE OF PROGRAM AND NLN REGION:1988
(Mean Number of Students)

NLN REGION	Number of Responding Programs	Classroom Teaching	Clinical Teaching
BACCALAUREATE AND HIGHER DEGREE PROGRAMS			
All Regions	568	30.2	8.8**
North Atlantic	136	33.3	8.9
Midwestern	176	28.3	8.3
Southern	182	29.7	8.5
Western	74	29.9	10.6
ASSOCIATE DEGREE PROGRAMS			
All Regions	668	34.4*	9.5*
North Atlantic	109	38.4	9.2
Midwestern	178	31.5	9.1
Southern	261	35.5	9.5
Western	120	32.7	10.2
DIPLOMA PROGRAMS			
All Regions	164	28.7	7.2
North Atlantic	81	27.8	7.2
Midwestern	52	29.1	7.1
Southern	30	29.3	7.6
Western	1	50.0	10.0

*Significant difference < .05 level.
**Significant difference < .000 level.

Comparison of Number of Students in Classroom and Clinical Teaching in Baccalaureate Degree Programs by Type of Program and NLN Region (Table F-37)

- A comparison by NLN region of generic baccalaureate programs and baccalaureate programs that admit registered nurses only is presented in Table F-37.
- There is a significant difference in class size by NLN region within generic baccalaureate programs, with the North Atlantic region having the highest number of students.
- There is a significant difference in clinical group size by NLN region for both generic baccalaureate programs and baccalaureate programs for registered nurses. The Western region has a significantly higher number of students in the clinical area on the average.

Table F-37

COMPARISON OF NUMBER OF STUDENTS IN CLASSROOM AND CLINICAL TEACHING IN BACCALAUREATE DEGREE PROGRAMS BY TYPE OF PROGRAM AND NLN REGION:1988

(Mean Number of Students)

NLN REGION	Number of Responding Programs	Classroom Teaching	Clinical Teaching
GENERIC BACCALAUREATE PROGRAMS			
All Regions	437	33.6*	8.6**
North Atlantic	94	39.5	8.7
Midwestern	138	31.0	8.2
Southern	151	32.4	8.6
Western	54	33.5	9.6
BACCALAUREATE PROGRAMS FOR REGISTERED NURSES ONLY			
All Regions	129	18.6	9.5*
North Atlantic	41	19.4	9.4
Midwestern	38	18.8	8.9
Southern	30	15.7	8.2
Western	20	20.6	13.2

* Significant difference < .05 level.

** Significant difference < .001 level.

Salaries in Nursing Education

SALARIES IN NURSING EDUCATION (Tables F-38 to F-47)

- This section presents information about the annual salaries of administrators and full-time faculty in nursing education programs. Salaries are presented according to highest earned credential, NLN region, and type of nursing program.

- *Data Collection:* Each program was asked to provide the following information for the 1987-88 academic year: number of faculty and total salary expenditure by faculty highest credential, academic rank, and academic versus calendar year appointment.

- Because of the nomenclature used in diploma programs, different categories for rank and highest credential were used. These variations are presented in each table where data from diploma program faculty are listed.

- *Academic Year versus Calendar Year:* Patterns of faculty appointment vary greatly among schools. Academic year appointments are usually made for 9 to 10 months. Appointments for a calendar year are usually for 11 months (with one month vacation per year). Some calendar year appointments do not require faculty to teach in the summer, enabling them to do research and clinical practice. Similarly, many academic year appointments carry the expectation that faculty will do scholarly research and/or clinical practice in the summer.

- The percentage of chief administrators and full-time faculty on *academic year appointment* is as follows:

Position	Baccalaureate and Higher Degree Programs Generic Programs	Baccalaureate and Higher Degree Programs RN Programs	Associate Degree Programs
Chief Administrator	28.7%	50.9%	35.9%
Professor	66.1%	47.6%	90.1%
Associate Professor	76.2%	76.4%	89.8%
Assistant Professor	85.5%	80.2%	92.0%
Instructor	84.6%	80.6%	83.2%
Other	69.4%	37.5%	90.3%

Position	Diploma Programs
Chief Administrator	6.5%
Asst. Admin./Dept. Head	93.2%
Instructor	29.2%
Other	21.4%

Salaries of Administrators and Full-Time Faculty by Program Type (Table F-38)

- The mean salaries of the chief administrators of nursing education programs are presented in Table F-38, by program type and highest earned credential. Mean salaries are presented separately for administrators with academic year and calendar year appointments.

- Analysis of the mean salary for administrators by program type showed that those with doctoral preparation in generic baccalaureate programs with a calendar year appointment had the highest mean salary ($57,700 per year).

- Doctorally prepared chief administrators of BRN programs had a mean salary of $38,600 for the academic year. Associate degree programs had the lowest mean salary for administrators ($32,781) for an academic year appointment.

- Administrators with doctoral degrees earned considerably more than those with master's degrees. In generic baccalaureate programs, the doctorate made a difference of at least $13,000 per year on the average for chief administrators.

- In associate degree and in BRN programs there was a difference of at least $8,000 in mean salary between chief administrators prepared at the doctoral level and those prepared at the master's level.

- Table F-38 also shows a comparison of the mean salary for faculty in each type of nursing education program by type of appointment, and highest earned credential. A separate set of categories is used to list rank and highest credential in diploma programs in order to provide information more relevant to diploma education. In addition, there are separate listings for mean salaries of faculty in baccalaureate and higher degree programs that admit generic students versus those that admit registered nurses only.

- In general, the higher the academic credential, the higher the salary.

- The highest salaries are reported for administrators and professors with doctorates in generic baccalaureate and higher degree programs.

Table F-38

MEAN SALARIES OF FULL-TIME FACULTY AND ADMINISTRATORS, BY HIGHEST CREDENTIAL, TYPE OF APPOINTMENT, AND PROGRAM

RANK AND HIGHEST CREDENTIAL	BACCALAUREATE AND HIGHER DEGREE PROGRAMS				ASSOCIATE DEGREE PROGRAMS	
	Generic Students		RN Students Only			
	Academic Year	Calendar Year	Academic Year	Calendar Year	Academic Year	Calendar Year
CHIEF ADMINISTRATIVE OFFICER						
Doctorate	$42,600	$57,700	$38,600	$47,100	$42,100	$45,100
Master's Degree (Nursing)	29,300	39,800	29,500	39,400	33,900	38,600
Other Credential	*	*	*	—	33,500	36,000
PROFESSOR						
Doctorate	43,900	54,500	41,900	33,600	40,400	38,000
Master's Degree (Nursing)	41,900	33,600	*	*	36,800	35,300
Other Credential	*	*	*	*	39,300	*
ASSOCIATE PROFESSOR						
Doctorate	35,600	45,300	32,900	42,100	31,800	35,400
Master's Degree (Nursing)	31,000	36,500	28,800	35,700	31,100	25,100
Other Credential	32,400	34,000	*	—	29,500	28,000
ASSISTANT PROFESSOR						
Doctorate	31,700	31,800	29,900	39,800	28,900	*
Master's Degree (Nursing)	25,900	31,400	25,900	30,300	25,600	27,700
Other Credential	24,600	37,700	*	—	27,300	22,800
INSTRUCTOR						
Master's Degree (Nursing)/Doctorate	23,100	27,900	24,600	21,500	27,700	30,900
Other Credential	22,000	25,800	21,900	28,800	26,800	27,000
OTHER POSITION/RANK						
Master's Degree (Nursing)/Doctorate	23,200	25,700	*	*	24,900	22,800
Other Credential	25,800	*	0	*	21,700	*

DIPLOMA PROGRAM POSITION AND HIGHEST CREDENTIAL	DIPLOMA PROGRAMS	
	Academic Year	Calendar Year
CHIEF ADMINISTRATOR		
Doctorate	*	$43,400
Master's Degree (Nursing)	*	45,000
Other Credential	*	41,800
ASSOCIATE/ASSISTANT ADMINISTRATOR; DEPT. HEAD		
Doctorate	—	39,700
Master's Degree (Nursing)	*	38,600
Other Credental	*	38,300
INSTRUCTOR		
Master's (Nursing)/Doctorate	$28,800	31,100
Master's (Non-Nursing)	30,200	30,700
Baccalaureate (Nursing)	22,900	28,900
Other Credential	26,200	30,900
OTHER FACULTY		
Master's (Nursing)/Doctorate	34,000	37,700
Master's (Non-Nursing)	29,700	32,900
Baccalaureate (Nursing)	*	27,100
Other Credential	22,800	25,800

* Too few data to warrant publication.

SALARIES OF ADMINISTRATORS (Figures F-11 to F-13)

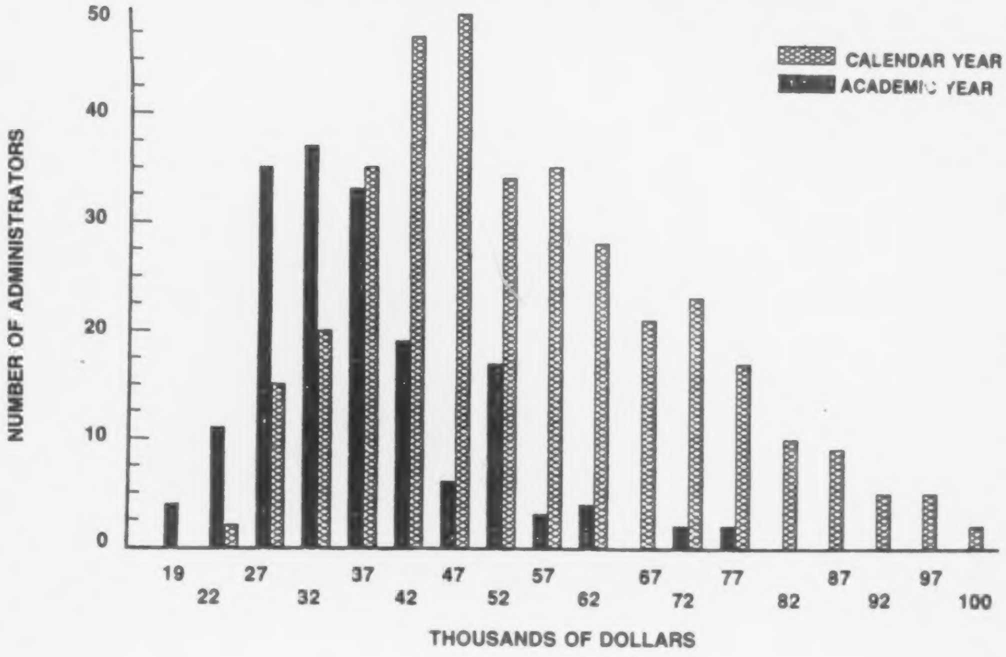
- Figures F-11 to F-13 present the distributions of the salaries of the administrators of nursing programs in graph form. Salaries are listed in $5,000 increments along the bottom of the graph.

Salaries of Administrators of Baccalaureate and Higher Degree Programs (Figure F-11)

- Figure F-11 shows the distribution of salaries of the chief administrators of baccalaureate and higher degree programs. These salaries range from as low as $18,000 to $106,000.
- The majority of salaries fall between $30,000 and $60,000, and the mode (the interval with the highest frequency of responses) is $47,000.

Figure F-11

SALARY OF CHIEF ADMINISTRATORS OF BACCALAUREATE AND HIGHER DEGREE PROGRAMS

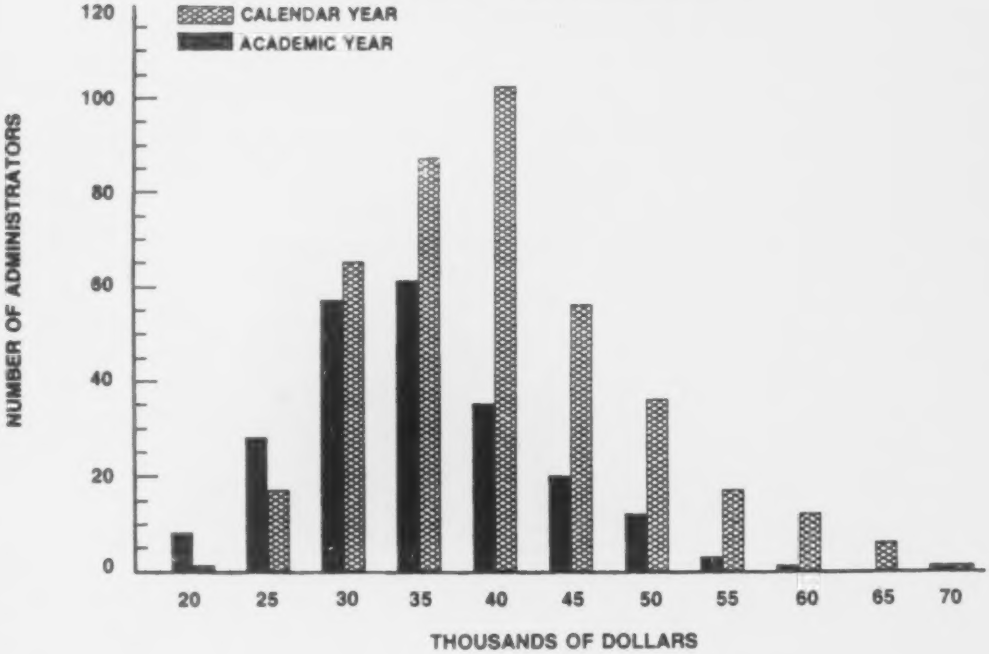


Salaries of Administrators of Associate Degree Programs (Figure F-12)

- Figure F-12 shows the distribution of salaries of the chief administrators of associate degree programs.
- The majority of salaries fall between $30,000 and $45,000, with the mode (the interval with the highest frequency) being very similar for $35,000 and $40,000.

Figure F-12

SALARY OF CHIEF ADMINISTRATORS OF ASSOCIATE DEGREE PROGRAMS

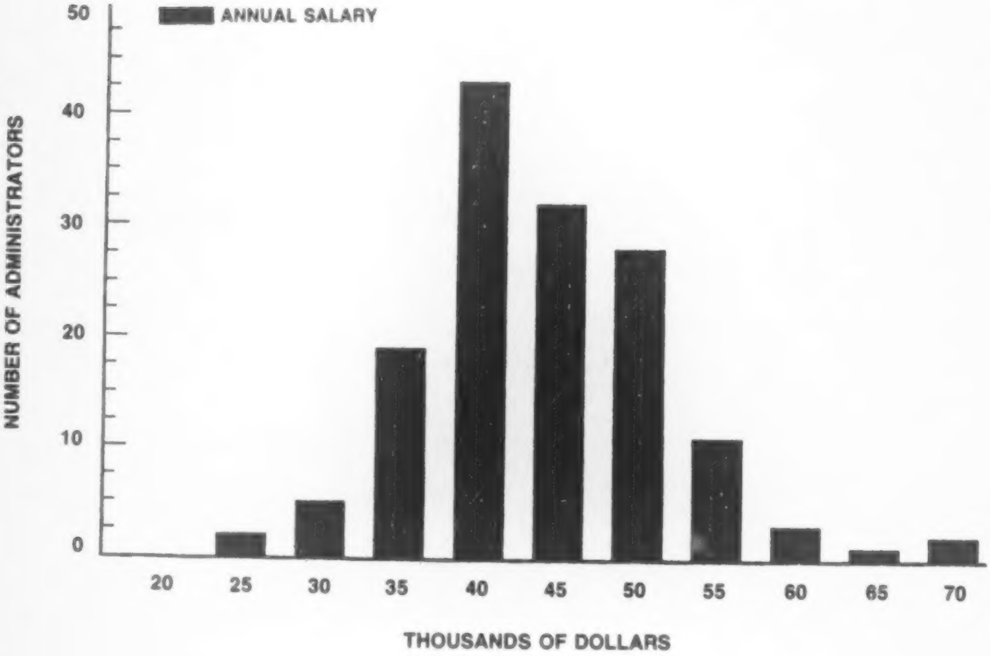


Salaries of Administrators of Diploma Programs (Figure F-13)

- Figure F-13 shows the distribution of salaries of the chief administrators of diploma programs.
- The majority of salaries are in the intervals from $40,000 to $50,000, with the mode (the interval with the highest frequency) at $40,000.

Figure F-13

SALARY OF CHIEF ADMINISTRATORS OF DIPLOMA PROGRAMS



Comparison of Mean Salaries of Administrators and Faculty in Baccalaureate and Higher Degree Programs by NLN Region (Table F-39, F-40, and F-41)

- A comparison of salaries of administrators and faculty in baccalaureate and higher degree programs by NLN region is presented in Table F-39.
- In general, salaries of administrators and faculty tend to be higher in generic baccalaureate and higher degree programs compared with the salaries of administrators and faculty in programs that admit registered nurses only.
- Most baccalaureate administrators are employed on a calendar year basis and on the average they earn about $58,000 a year.
- There is no consistent trend in salaries by NLN region.

Table F-39
MEAN SALARIES OF ADMINISTRATORS IN BACCALAUREATE AND HIGHER DEGREE PROGRAMS BY HIGHEST CREDENTIAL AND NLN REGION:1988

HIGHEST CREDENTIAL BY TYPE OF APPOINTMENT	NORTH ATLANTIC REGION		MIDWESTERN REGION		SOUTHERN REGION		WESTERN REGION	
	Number	Mean Salary	Number	Mean Salary	Number	Mean Salary	Number	Mean Salary
GENERIC BACCALAUREATE AND HIGHER DEGREE PROGRAMS								
Doctorate								
Academic Year	22	$42,000	22	$38,100	18	$43,800	16	$48,400
Calendar Year	55	57,900	75	56,500	104	58,300	30	58,300
Master's Degree (Nursing)								
Academic Year	6	36,700	16	28,300	16	26,000	1	*
Calendar Year	6	43,700	8	40,500	9	37,700	3	*
Other Credential								
Academic Year	0	—	4	*	0	—	0	—
Calendar Year	0	—	1	*	0	—	0	—
BACCALAUREATE AND HIGHER DEGREE PROGRAMS FOR REGISTERED NURSES ONLY								
Doctorate								
Academic Year	15	$38,400	9	$37,100	5	$40,000	6	$40,300
Calendar Year	15	45,900	12	46,700	13	43,200	6	59,700
Master's Degree (Nursing)								
Academic Year	5	*	9	29,900	4	*	4	*
Calendar Year	4	*	6	39,500	3	*	3	*
Other Credential								
Academic Year	0	—	0	—	1	*	0	—
Calendar Year	0	—	0	—	0	—	0	—

*Too few data to warrant publication.

Table F-40

MEAN SALARIES OF FACULTY IN GENERIC BACCALAUREATE AND HIGHER DEGREE PROGRAMS BY HIGHEST CREDENTIAL, TYPE OF APPOINTMENT, AND NLN REGION:1988

RANK HIGHEST CREDENTIAL TYPE OF APPOINTMENT	NORTH ATLANTIC REGION		MIDWESTERN REGION		SOUTHERN REGION		WESTERN REGION	
	Number	Mean Salary	Number	Mean Salary	Number	Mean Salary	Number	Mean Salary
PROFESSOR								
Doctorate								
Academic Year	91	$46,000	80	$42,300	91	$42,300	53	$45,800
Calendar Year	14	49,900	44	55,500	100	54,000	45	55,900
Master's Degree (Nursing)								
Academic Year	11	41,400	13	36,700	17	29,000	47	47,800
Calendar Year	1	*	1	*	6	22,800	2	*
Other Credential								
Academic Year	0	—	0	—	4	*	0	—
Calendar Year	0	—	1	*	0	—	0	—
ASSOCIATE PROFESSOR								
Doctorate								
Academic Year	207	36,300	186	35,000	235	34,900	132	36,000
Calendar Year	36	50,000	80	44,100	162	45,200	60	44,000
Master's Degree (Nursing)								
Academic Year	135	33,200	229	29,000	183	30,400	96	33,500
Calendar Year	13	39,200	21	35,000	67	36,200	20	37,300
Other Credential								
Academic Year	10	35,900	15	30,800	7	31,200	4	*
Calendar Year	0	—	3	*	3	*	0	—
ASSISTANT PROFESSOR								
Doctorate								
Academic Year	225	32,600	174	32,200	206	30,500	86	31,300
Calendar Year	35	38,600	51	33,100	111	29,000	36	32,100
Master's Degree (Nursing)								
Academic Year	581	26,700	784	25,200	745	25,700	225	27,400
Calendar Year	36	36,300	41	30,400	202	30,400	18	33,800
Other Credential								
Academic Year	4	*	16	25,100	12	20,200	9	26,300
Calendar Year	2	*	6	30,500	7	45,900	2	*
INSTRUCTOR								
Master's Degree (Nursing) Doctorate								
Academic Year	246	23,600	398	22,400	294	22,800	130	25,000
Calendar Year	22	32,300	59	27,300	91	26,900	7	32,900
Other Credential								
Academic Year	26	26,200	34	21,300	44	19,700	9	23,600
Calendar Year	0	—	4	*	32	25,700	0	—
OTHER POSITION/RANK								
Master's Degree (Nursing)/ Doctorate								
Academic Year	64	28,000	55	22,800	62	23,300	36	23,900
Calendar Year	75	18,300	12	27,700	14	32,100	3	*
Other Credential								
Academic Year	9	24,200	14	19,600	20	24,200	15	19,500
Calendar Year	0	—	5	*	10	31,000	2	*

*Too few data to warrant publication.

Table F-41

MEAN SALARIES OF FACULTY IN BACCALAUREATE AND HIGHER DEGREE PROGRAMS THAT ADMIT REGISTERED NURSES ONLY BY HIGHEST CREDENTIAL, TYPE OF APPOINTMENT, AND NLN REGION:1988

RANK HIGHEST CREDENTIAL TYPE OF APPOINTMENT	NORTH ATLANTIC REGION		MIDWESTERN REGION		SOUTHERN REGION		WESTERN REGION	
	Number	Mean Salary	Number	Mean Salary	Number	Mean Salary	Number	Mean Salary
PROFESSOR								
Doctorate								
Academic Year	9	$38,900	6	$40,500	6	$34,300	8	$44,600
Calendar Year	1	*	5	*	3	*	15	60,000
Master's Degree (Nursing)								
Academic Year	2	*	0	—	1	*	0	—
Calendar Year	1	*	4	*	0	—	4	*
Other Credential								
Academic Year	0	—	0	—	0	—	0	—
Calendar Year	0	—	0	—	0	—	0	—
ASSOCIATE PROFESSOR								
Doctorate								
Academic Year	18	37,000	12	31,900	11	31,200	13	29,600
Calendar Year	5	*	3	*	1	*	15	46,800
Master's Degree (Nursing)								
Academic Year	16	30,100	24	29,800	11	23,200	13	30,200
Calendar Year	5	*	1	*	5	*	2	*
Other Credential								
Academic Year	0	—	2	*	0	—	0	—
Calendar Year	0	—	0	—	0	—	0	—
ASSISTANT PROFESSOR								
Doctorate								
Academic Year	12	29,400	11	29,500	1	*	2	*
Calendar Year	2	*	5	*	1	*	12	43,300
Master's Degree (Nursing)								
Academic Year	54	26,900	58	26,200	65	24,900	18	25,900
Calendar Year	25	30,000	5	*	5	*	0	—
Other Credential								
Academic Year	2	*	0	—	0	—	0	—
Calendar Year	0	—	0	—	0	—	0	—
INSTRUCTOR								
Master's Degree (Nursing)/ Doctorate								
Academic Year	19	23,300	11	23,800	9	23,200	2	*
Calendar Year	4	*	5	*	1	*	0	—
Other Credential								
Academic Year	2	*	4	*	2	*	1	*
Calendar Year	0	—	2	*	0	—	0	—
OTHER POSITION/RANK								
Master's Degree (Nursing)/ Doctorate								
Academic Year	0	—	1	*	0	—	2	*
Calendar Year	0	—	1	*	0	—	3	*
Other Credential								
Academic Year	0	—	0	—	0	—	0	—
Calendar Year	0	—	0	—	0	—	1	*

*Too few data to warrant publication.

Salaries of Administrators and Faculty in Associate Degree Programs by NLN Region (Table F-42 and F-43)

- A comparison of mean salaries by NLN region for administrators and faculty in associate degree programs is presented in Table F-42 and F-43.
- There is no consistent pattern of salary differences by NLN region for either administrators or faculty.
- There is a very large variation in faculty salaries within the NLN region and the faculty ranks. In particular, for instructors the range of salaries was from $15,000 and $60,000. In some programs all faculty are considered instructors, therefore, these salary ranges may reflect the faculty with more experience and may be more comparable to the associate or full professor level at other institutions.

Table F-42

MEAN SALARIES OF ADMINISTRATORS IN ASSOCIATE DEGREE PROGRAMS BY HIGHEST CREDENTIAL, TYPE OF APPOINTMENT, AND NLN REGION:1988

HIGHEST CREDENTIAL BY TYPE OF APPOINTMENT	NORTH ATLANTIC REGION		MIDWESTERN REGION		SOUTHERN REGION		WESTERN REGION	
	Number	Mean Salary	Number	Mean Salary	Number	Mean Salary	Number	Mean Salary
Doctorate								
Academic Year	10	$39,600	4	*	14	$39,800	6	$53,000
Calendar Year	12	44,500	19	$44,800	54	43,700	17	50,000
Master's Degree (Nursing)								
Academic Year	42	35,500	44	34,000	48	31,300	38	33,400
Calendar Year	26	41,700	68	38,100	101	36,600	54	41,500
Other Credential								
Academic Year	2	*	7	31,000	6	36,000	5	*
Calendar Year	2	*	25	35,400	21	33,600	5	*

*Too few data to warrant publication.

Table F-43

MEAN SALARIES OF FACULTY IN ASSOCIATE DEGREE PROGRAMS BY HIGHEST CREDENTIAL, TYPE OF APPOINTMENT, AND NLN REGION:1988

RANK HIGHEST CREDENTIAL TYPE OF APPOINTMENT	NORTH ATLANTIC REGION		MIDWESTERN REGION		SOUTHERN REGION		WESTERN REGION	
	Number	Mean Salary	Number	Mean Salary	Number	Mean Salary	Number	Mean Salary
PROFESSOR								
Doctorate								
Academic Year	18	$46,000	5	$37,400	18	$36,700	15	$39,200
Calendar Year	2	*	0	—	9	34,300	0	—
Master's Degree (Nursing)								
Academic Year	84	39,800	24	36,000	41	35,600	59	33,600
Calendar Year	5	37,400	1	*	9	35,700	6	31,000
Other Credential								
Academic Year	10	36,900	2	*	18	28,800	17	52,200
Calendar Year	0	—	1	*	1	*	0	—
ASSOCIATE PROFESSOR								
Doctorate								
Academic Year	8	32,500	6	30,200	9	30,300	8	34,000
Calendar Year	1	*	1	*	6	35,800	0	—
Master's Degree (Nursing)								
Academic Year	190	32,600	90	32,600	183	27,600	51	32,500
Calendar Year	6	35,000	6	32,300	41	22,900	3	*
Other Credential								
Academic Year	30	32,100	11	32,400	33	24,900	10	33,800
Calendar Year	6	27,600	5	*	0	—	0	—
ASSISTANT PROFESSOR								
Doctorate								
Academic Year	7	34,100	4	*	13	25,300	7	30,000
Calendar Year	0	—	0	—	1	*	0	—
Master's Degree (Nursing)								
Academic Year	233	26,400	180	24,600	394	25,000	80	28,300
Calendar Year	15	27,900	3	*	50	28,800	12	22,900
Other Credential								
Academic Year	38	30,800	32	25,300	47	27,400	13	21,500
Calendar Year	0	—	1	*	5	*	2	*
INSTRUCTOR								
Master's Degree (Nursing)/ Doctorate								
Academic Year	119	23,800	409	28,700	541	25,700	333	31,200
Calendar Year	23	36,500	15	32,500	156	29,000	28	27,800
Other Credential								
Academic Year	36	22,600	206	28,100	186	23,900	144	29,200
Calendar Year	29	32,600	58	23,900	97	26,600	9	18,100
OTHER POSITION/RANK								
Master's Degree (Nursing)/ Doctorate								
Academic Year	4	*	20	27,300	9	25,700	5	*
Calendar Year	0	—	2	*	5	*	0	—
Other Credential								
Academic Year	14	16,800	17	24,900	19	22,400	5	*
Calendar Year	1	*	1	*	1	*	0	—

*Too few data to warrant publication

Salaries of Administrators and Faculty in Diploma Programs by NLN Region (Table F-44 and F-45)

- Table F-44 lists mean salaries of administrators in diploma programs by NLN region. Table F-45 lists mean salaries of faculty in diploma programs by NLN region.
- Administrators in the Southern region tend to earn higher salaries than those in other regions.
- There is no significant pattern in average salaries by NLN region.

Table F-44

MEAN SALARIES OF ADMINISTRATORS IN DIPLOMA PROGRAMS BY HIGHEST CREDENTIAL, TYPE OF APPOINTMENT, AND NLN REGION:1988

HIGHEST CREDENTIAL BY TYPE OF APPOINTMENT	NORTH ATLANTIC REGION		MIDWESTERN REGION		SOUTHERN REGION		WESTERN REGION	
	Number	Mean Salary	Number	Mean Salary	Number	Mean Salary	Number	Mean Salary
CHIEF ADMINISTRATORS								
Doctorate								
Academic Year	1	*	1	*	2	*	0	—
Calendar Year	8	$45,100	4	*	1	*	0	—
Master's (Nursing)								
Academic Year	1	*	1	*	1	*	0	—
Calendar Year	40	45,300	27	$42,500	14	$48,600	1	*
Other Credential								
Academic Year	1	*	0	—	0	—	0	—
Calendar Year	11	37,400	17	43,600	6	44,500	0	—
ASSISTANT ADMINISTRATORS/ DEPARTMENT HEAD								
Doctorate								
Academic Year	0	—	0	—	0	—	0	—
Calendar Year	3	*	2	*	1	*	0	—
Master's (Nursing)								
Academic Year	0	—	2	*	1	*	0	—
Calendar Year	28	38,700	18	37,700	8	39,600	0	—
Other Credential								
Academic Year	1	*	1	*	1	*	0	—
Calendar Year	6	40,000	9	36,400	6	39,300	0	—

*Too few data to warrant publication

Table F-45

MEAN SALARIES OF FACULTY IN DIPLOMA PROGRAMS BY HIGHEST CREDENTIAL, TYPE OF APPOINTMENT, AND NLN REGION:1988

RANK HIGHEST CREDENTIAL TYPE OF APPOINTMENT	NORTH ATLANTIC REGION		MIDWESTERN REGION		SOUTHERN REGION		WESTERN REGION	
	Number of Faculty	Mean Salary	Number of Faculty	Mean Salary	Number of Faculty	Mean Salary	Number of Faculty	Mean Salary
INSTRUCTOR								
Master's Degree (Nursing)								
Academic Year	133	$28,700	98	$27,800	39	$31,800	0	—
Calendar Year	330	34,000	176	30,100	147	25,100	15	$37,400
Master's Degree (Non-Nursing)								
Academic Year	36	33,400	57	29,300	23	27,300	0	—
Calendar Year	86	29,200	105	30,100	54	32,800	9	39,100
Baccalaureate (Nursing)								
Academic Year	39	20,500	40	24,800	7	26,000	0	—
Calendar Year	80	29,400	103	27,700	42	28,700	2	*
Other Credential								
Academic Year	4	*	16	26,100	0	—	0	—
Calendar Year	13	40,300	26	26,800	7	29,500	0	—
OTHER FACULTY								
Master's Degree (Nursing)/ Doctorate								
Academic Year	2	*	3	*	0	—	0	—
Calendar Year	10	37,500	4	*	6	39,800	2	*
Master's Degree (Non-Nursing)								
Academic Year	10	31,000	3	*	3	*	0	—
Calendar Year	20	36,600	25	32,300	10	25,700	2	*
Baccalaureate (Nursing)								
Academic Year	0	—	4	*	0	—	0	—
Calendar Year	4	*	1	*	3	*	0	—
Other Credential								
Academic Year	1	*	3	*	1	*	0	—
Calendar Year	5	*	13	23,800	3	*	0	—

*Too few data to warrant publication.

Salaries of Administrators and Faculty by Public or Private Support of the Institution (Tables F-46 and F-47)

- Tables F-46 and F-47 compare the mean salaries of nursing administrators and faculty in institutions with public support and those with private support (secular or religious), by type of program. The distribution of responding programs with each type of support was as follows:

Type of Program	Public Support	Private/Secular	Private/Religious
Associate degree	90.0%	5.1%	4.9%
Diploma	18.5%	59.3%	22.2%
Baccalaureate and Higher Degree			
Total	52.4%	18.0%	29.5%
With generic students	52.7%	17.1%	30.2%
With RN students only	51.7%	21.2%	27.1%

- Mean salaries in publicly supported institutions tend to be higher than those in private institutions, particularly in baccalaureate and higher degree programs. The mean salaries in institutions with private religious support tend to be the lowest.

- The differences in mean salaries are greatest at all ranks between publicly supported institutions and those with private religious support—in general, about $4,000. However, at the professor level in generic baccalaureate programs, there is a $10,000 difference between the mean salary of public institutions and the private religious supported institutions.

- Diploma programs tend to have about the same mean salaries for publicly and privately supported programs.

Table F-46

MEAN SALARIES OF ADMINISTRATORS BY HIGHEST CREDENTIAL, TYPE OF APPOINTMENT, TYPE OF PROGRAM, AND INSTITUTIONAL SUPPORT:1988

HIGHEST CREDENTIAL BY TYPE OF APPOINTMENT	BACCALAUREATE AND HIGHER DEGREE PROGRAMS						ASSOCIATE DEGREE PROGRAMS			DIPLOMA PROGRAMS		
	With Generic Students			With RN Students Only								
	Public	Private Secular	Private Religious	Public	Private Secular	Private Religious	Public	Private Secular	Private Religious	Public	Private Secular	Private Religious
Doctorate												
Academic Year	$48,000	$40,100	$36,000	$41,000	*	$31,900	$42,900	*	*	0	*	0
Calendar Year	63,900	53,400	45,700	52,300	$40,300	41,900	45,700	*	*	*	$44,400	*
Master's (Nursing)												
Academic Year	34,400	29,400	26,200	31,800	27,900	*	34,100	31,400	31,800	—	*	*
Calendar Year	40,700	44,700	35,300	47,800	35,300	32,700	38,800	40,700	32,800	$44,200	44,100	$47,400
Other Credential												
Academic Year	—	*	*	—	—	—	34,200	*	*	—	*	—
Calendar Year	—	—	*	—	—	—	36,100	*	*	43,100	42,400	37,700

*Too few data to warrant publication.

Table F-47

MEAN SALARIES OF FACULTY BY HIGHEST CREDENTIAL, TYPE OF APPOINTMENT, TYPE OF PROGRAM, AND INSTITUTIONAL SUPPORT:1988

RANK HIGHEST CREDENTIAL BY TYPE OF APPOINTMENT	BACCALAUREATE AND HIGHER DEGREE PROGRAMS						ASSOCIATE DEGREE PROGRAMS		
	With Generic Students			Admit RN Students Only					
	Public	Private Secular	Private Religious	Public	Private Secular	Private Religious	Public	Private Secular	Private Religious
PROFESSOR									
Doctorate									
Academic Year	$46,100	$42,000	$35,700	$40,400	$40,000	$38,300	$40,900	*	—
Calendar Year	55,600	51,100	43,200	56,000	—	*	40,100	*	—
Master's Degree (Nursing)									
Academic Year	43,200	43,000	33,800	*	*	—	37,000	$29,600	*
Calendar Year	30,400	*	—	50,100	—	—	44,700	—	*
Other Credential									
Academic Year	70,200	*	—	70,200	*	—	39,300	—	—
Calendar Year	*	—	—	*	—	—	*	—	—
ASSOCIATE PROFESSOR									
Doctorate									
Academic Year	36,400	34,700	32,400	31,900	37,100	31,800	33,000	*	*
Calendar Year	45,400	44,700	45,000	43,000	—	*	35,400	—	—
Master's Degree (Nursing)									
Academic Year	32,700	29,900	27,600	29,000	26,500	29,400	31,800	25,500	$23,600
Calendar Year	37,000	38,100	29,900	42,300	—	—	24,000	*	*
Other Credential									
Academic Year	33,300	36,100	26,100	*	—	—	29,500	—	—
Calendar Year	*	—	*	—	—	—	28,000	—	—
ASSISTANT PROFESSOR									
Doctorate									
Academic Year	32,400	27,300	29,400	29,920	29,300	*	29,300	*	*
Calendar Year	30,900	37,800	37,800	40,000	—	*	*	—	—
Master's Degree (Nursing)									
Academic Year	27,700	27,700	23,700	27,000	23,500	24,000	26,100	23,800	22,500
Calendar Year	31,800	33,800	30,100	30,100	*	*	29,200	29,200	23,500
Other Credential									
Academic Year	25,600	23,900	22,700	*	—	—	28,600	22,000	21,800
Calendar Year	38,700	*	*	—	—	—	20,300	*	—
INSTRUCTOR									
Master's Degree/Doctorate									
Academic Year	23,400	24,700	21,100	24,000	*	22,800	28,000	23,700	22,700
Calendar Year	27,700	28,100	34,200	25,800	*	*	31,100	34,700	24,300
Other Credential									
Academic Year	24,000	23,400	18,400	*	*	*	27,100	23,000	17,800
Calendar Year	27,600	*	*	*	*	*	26,000	37,400	25,900
OTHER POSITION									
Master's Degree (Nursing)/ Doctorate									
Academic Year	24,000	*	22,800	24,300	28,000	*	26,300	—	21,000
Calendar Year	25,800	*	*	*	*	*	*	—	*
Other Credential									
Academic Year	*	*	*	*	*	—	22,400	*	17,300
Calendar Year	*	*	*	*	—	—	*	—	—

DIPLOMA PROGRAMS			
Public	Private Secular	Private Religious	
			ASSOCIATE/ASSISTANT ADMINISTRATOR/DEPT. HEAD
			Doctorate
—	—	—	Academic Year
—	*	*	Calendar Year
			Master's (Nursing)
—	*	*	Academic Year
$37,000	$38,400	$41,200	Calendar Year
			Other Credential
—	*	*	Academic Year
*	38,800	*	Calendar Year
			INSTRUCTOR
			Master's (Nursing)/Doctorate
30,800	27,300	31,200	Academic Year
23,700	33,400	33,800	Calendar Year
			Master's (Non-Nursing)
32,400	29,900	29,800	Academic Year
32,400	31,400	27,500	Calendar Year
			Baccalaureate (Nursing)
26,100	21,000	25,700	Academic Year
36,300	27,700	25,800	Calendar Year
			Other Credential
25,700	*	*	Academic Year
28,200	35,800	28,400	Calendar Year
			OTHER FACULTY
			Master's (Nursing)/Doctorate
—	34,000		Academic Year
*	38,100	*	Calendar Year
			Master's (Non-Nursing)
34,800	26,700	*	Academic Year
51,800	30,900	30,200	Calendar Year
			Baccalaureate (Nursing)
*	*	—	Academic Year
*	26,600	*	Calendar Year
			Other Credential
*	*	—	Academic Year
*	26,900	*	Calendar Year

* Too few data to warrant publication.

PN STUDENTS

SUMMARY AND RESULTS OF LPN/LVN NURSE FACULTY CENSUS

The faculty census is sent to all practical and vocational nursing programs every two years.

Population

In January 1988, the LPN/LVN faculty census was mailed to 1,082 programs, a decrease of 13.1 percent from 1986. Since 1984, there has been an 18.3 percent decrease in the number of LPN/LVN programs in the United States and territories. Eight hundred and sixty-eight programs responded in 1988 for an 80.2 percent response rate. In comparing the data, the low response rate (60.8%) in 1986 needs to be considered.

Number of Faculty

In 1988, the estimated number of full-time faculty was 12 percent lower than in 1986. There was a 9 percent decrease in part-time faculty and a considerable increase in unfilled faculty positions although the actual number was lower than in prior years with the exception of 1986.

Credentials of Faculty and Administrators

There has been a stabilization of the percentage of administrators and full-time faculty with graduate degrees (59.6 and 33.4%, respectively). Only 2 percent of administrators and 18 percent of full-time faculty do not have a minimum of a baccalaureate degree as their highest credential. Twenty-five percent of full-time faculty do not have at least a baccalaureate degree, while nearly 21 percent of part-time faculty have a graduate degree.

Characteristics of Faculty and Administrators

Individuals of black ethnic background are the largest minority group in LPN/LVN programs. Overall, they make up 6.6 percent of administrators, 9.0 percent of full-time faculty, and 8.8 percent of part-time faculty. In the Southern region, percentages tend to be higher, with 8.5 percent of administrators, 12.0 percent of full-time faculty, and 27.3 percent of part-time faculty reported as being from a black ethnic background.

As a whole, minority groups represent 11 percent of administrators, 12.3 percent of full-time faculty, and 11.6 percent of part-time faculty. In the Southern region, 15.6 percent of full-time faculty and 29.8 percent of part-time faculty are from minority groups.

Men make up only 1.8 percent of full-time and 3.0 percent of part-time LPN/LVN faculty.

Faculty Workload

The largest proportion of faculty time is spent on clinical teaching with a mean of 17.3 hours followed by classroom teaching with a mean of 9.2 hours. There was considerable variation in the number of teaching hours expected of faculty in LPN/LVN programs. The average faculty member has 26 students in the classroom and 11 students in the clinical area.

Faculty and Administrator Salaries

Salaries tend to be higher for administrators and faculty in the public sector. There is considerable variation in the salaries of LPN/LVN administrators and faculty with no consistent patterns by region or by academic credential. LPN/LVN programs tend to be located in a variety of institutional settings, such as community and junior colleges, vocational/technical schools, hospitals, and secondary schools. The variations in salary reflect differences in salary scales among and within these institutions, combined with longevity of faculty and local competitive forces, such as RN salaries.

Summary

The data collected in the 1988 LPN/LVN faculty survey show evidence of decrease in the number of programs and faculty. Since 1986, faculty workload has decreased slightly and the academic credentials of the faculty are about the same.

LPN/LVN PROGRAMS

Number of LPN/LVN Programs (Tables PN-1 and PN-2)

- In 1987, there were 1,068 LPN and LVN schools in the United States, with a total of 1,035 programs. This represents a 2.2 percent decrease in the number of programs over the previous year. Moreover, the number of schools decreased 1.8 percent since 1986 (Table PN-1).
- Of the 1,035 programs, 89 percent were programs conducted primarily for adults and out-of-school youth. High school extended programs and high school programs accounted for 5 percent and 6 percent of the total, respectively. This percentage breakdown is identical to last year's (Table PN-1).
- The largest portion of the LPN/LVN programs are in the South. The regional breakdown among programs was South, 44 percent; Midwest, 23 percent; North Atlantic, 17 percent; and West, 16 percent (Table PN-2).

Historical trends: The number of LPN/LVN programs peaked at 1,319 in 1977. Five years ago, in 1983, the number of programs stood at 1,297, and ten years ago there were 1,310 LPN/LVN programs. In short, the number of LPN/LVN programs has decreased over 20 percent since 1983, and 21 percent since 1978.

Table PN-1
LPN/LVN SCHOOLS AND PROGRAMS
WITH PERCENTAGE CHANGE FROM PREVIOUS YEAR, BY TYPE OF PROGRAM: 1968 TO 1987

YEAR[1]	SCHOOLS[2]		PROGRAMS							
			All L.P.N./L.V.N. Programs		Adult Programs[3]		High School Programs[4]		High School Extended Programs[5]	
	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change
1968	1,136	+3.0	1,174	+3.6	1,061	+2.6	44	+33.3	69	+4.5
1969	1,162	+2.3	1,234	+5.1	1,110	+4.6	38	−13.6	86	+24.6
1970	1,172	+0.9	1,233	−0.1	1,103	−0.6	42	+10.5	88	+2.3
1971	1,191	+1.6	1,271	+3.1	1,131	+2.5	48	+14.3	92	+4.5
1972	1,196	+0.4	1,286	+1.2	1,142	+1.0	51	+6.2	93	+1.1
1973	1,191	−0.4	1,283	−0.2	1,135	−0.6	57	+11.8	91	−2.1
1974	1,206	+1.3	1,294	+0.9	1,137	+0.2	62	+8.8	95	+4.4
1975	1,228	+1.8	1,315	+1.6	1,156	+1.7	63	+1.6	96	+1.1
1976	1,236	+0.6	1,318	+0.2	1,155	−0.1	66	+4.8	97	+1.0
1977	1,234	−0.2	1,319	+0.1	1,155	+0.0	63	−4.5	101	+4.1
1978	1,232	−0.2	1,310	−0.7	1,156	+0.1	60	−4.8	94	−6.9
1979	1,222	−0.8	1,298	−0.9	1,147	−0.8	60	+0.0	91	−3.2
1980	1,221	−0.1	1,299	+0.1	1,153	+0.5	55	−8.3	91	+0.0
1981	1,231	+0.8	1,309	+0.8	1,163	+0.9	55	+0.0	91	+0.0
1982	1,221	−0.8	1,295	−1.1	1,153	−0.9	55	+0.0	91	+0.0
1983	1,218	−0.2	1,297	+0.2	1,154	+0.1	56	+0.0	87	−4.4
1984	1,162	−4.6	1,254	−3.3	1,114	−3.5	57	+1.8	83	−4.6
1985	1,128	−2.9	1,165	−7.1	1,048	−5.9	50	−12.3	67	−19.3
1986	1,087	−3.6	1,058	−9.2	947	−38.3	53	+6.0	58	−13.4
1987	1,068	−1.8	1,035	−2.2	922	−2.6	47	−17.5	66	+13.8

[1] As of October 15.

[2] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[3] Adult programs are conducted primarily for adults and out-of-school youth and have not been planned as part of a high school curriculum.

[4] High School programs are conducted primarily for high school students and lead concurrently to a high school diploma and eligibility for writing the licensure examination.

[5] High School Extended programs are conducted primarily for high school students and lead to a high school diploma, but require some additional months of preparation after high school graduation.

* Data not available.

Table PN-2
LPN/LVN PROGRAMS, BY NLN REGION AND STATE: 1978 TO 1987

NLN REGION AND STATE	NUMBER OF PROGRAMS									
	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
United States[1]	**1,310**	**1,298**	**1,299**	**1,309**	**1,295**	**1,297**	**1,254**	**1,166**	**1,058**	**1,035**
North Atlantic	248	245	239	233	232	236	234	224	192	180
Midwestern	274	279	281	280	288	286	281	256	235	233
Southern	570	566	575	585	567	564	533	503	459	451
Western	218	208	204	[illegible]	208	211	206	188	172	171
Alabama	25	25	25	[illegible]	25	25	23	22	22	22
Alaska	1	1	1	[illegible]	1	1	1	0	0	0
Arizona	14	13	12	[illegible]	12	12	12	12	10	10
Arkansas	29	27	27	29	29	29	28	28	27	28
California	97	91	86	90	94	95	93	79	76	78
Colorado	18	17	17	18	18	18	16	14	14	14
Connecticut	10	10	10	10	10	10	10	10	11	11
Delaware	5	5	5	5	5	5	5	3	3	3
District of Columbia	3	3	3	3	3	3	3	4	2	2
Florida	35	35	35	36	37	37	36	35	34	34
Georgia	53	54	52	53	49	48	45	44	41	40
Hawaii	4	4	4	4	4	4	4	4	4	4
Idaho	11	10	11	10	8	8	8	7	6	5
Illinois	43	45	45	44	44	42	41	39	32	31
Indiana	17	17	17	17	17	18	19	17	17	18
Iowa	25	26	27	27	29	30	27	25	25	25
Kansas	17	17	16	16	18	18	18	16	16	16
Kentucky	16	16	16	16	16	16	16	17	17	17
Louisiana	36	37	37	38	38	37	35	35	35	35
Maine	5	5	5	5	5	5	5	5	5	5
Maryland	20	22	21	21	20	20	20	17	14	14
Massachusetts	31	30	30	26	25	26	24	21	22	22
Michigan	36	36	36	37	37	36	35	32	27	27
Minnesota	27	27	27	27	27	26	26	26	26	26
Mississippi	14	14	14	14	14	13	12	12	12	13
Missouri	33	33	33	34	34	34	35	33	32	31
Montana	6	6	5	5	5	5	5	5	5	5
Nebraska	9	9	9	9	9	8	8	8	8	8
Nevada	7	7	7	6	5	4	4	4	4	3
New Hampshire	4	4	4	4	5	5	5	5	4	3
New Jersey	34	35	35	33	31	32	32	31	31	26
New Mexico	11	10	10	11	9	10	10	8	8	7
New York	99	97	92	90	90	90	89	86	60	57
North Carolina	42	40	39	45	46	46	28	26	24	23
North Dakota	5	6	7	6	7	7	7	5	3	3
Ohio	42	43	44	45	46	47	45	44	41	42
Oklahoma	29	28	31	31	32	35	34	26	25	25
Oregon	12	11	11	11	11	12	12	12	11	11
Pennsylvania	53	52	51	54	54	56	57	54	50	47
Rhode Island	1	1	1	1	1	1	1	1	1	1
South Carolina	31	30	31	31	31	30	28	32	20	20
South Dakota	6	6	6	6	6	6	6	2	1	1
Tennessee	7	6	11	12	12	12	25	23	20	22
Texas	157	155	158	157	142	138	131	111	100	91
Utah	5	5	5	6	6	6	6	6	6	6
Vermont	3	3	3	3	3	3	3	4	3	3
Virginia	58	58	58	58	56	58	52	56	49	48
Washington	29	29	29	28	28	29	28	24	22	22
West Virginia	18	19	20	20	20	20	20	19	19	19
Wisconsin	14	14	14	14	14	14	14	9	7	5
Wyoming	3	4	6	6	7	7	7	7	6	6
American Samoa	1	1	1	1	1	1	1	1	1	1
Guam	1	1	0	0	0	0	0	0	0	0
Puerto Rico	17	18	19	21	23	27	24	24	24	24
Virgin Islands	0	0	0	0	0	1	1	0	0	0

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

LPN/LVN Programs by Source of Funding (Table PN-3)

- Over 92 percent of the 1,035 programs were publicly supported, and about seven percent were privately financed. These percentages remain unchanged from last year.

Table PN-3

LPN/LVN PROGRAMS, BY NLN REGION AND PRIMARY SOURCE OF FINANCIAL SUPPORT: 1978 TO 1987

NLN REGION BY TYPE OF FINANCIAL SUPPORT[1]	NUMBER OF PROGRAMS									
	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
All Regions	**1,310**	**1,298**	**1,298**	**1,309**	**1,295**	**1,297**	**1,254**	**1,165**	**1,058**	**1,035**
Public	1,202	1,198	1,197	1,201	1,183	1,185	1,144	1,062	986	958
Private	108	100	101	108	112	112	110	103	72	77
North Atlantic	248	245	239	233	231	236	234	224	192	180
Public	223	223	218	214	209	209	209	189	162	152
Private	25	22	21	19	22	27	25	35	30	28
Midwestern	274	279	281	280	287	286	281	256	235	233
Public	252	258	261	260	266	263	256	237	225	220
Private	22	21	20	20	21	23	25	19	10	13
Southern	570	566	575	585	566	563	533	503	459	451
Public	522	522	526	529	511	512	485	464	436	425
Private	48	44	49	56	55	51	48	39	23	26
Western	218	208	203	211	211	211	206	182	172	171
Public	205	195	192	198	197	200	194	172	163	161
Private	13	13	11	13	14	11	12	10	9	10

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Administrative Control of LPN/LVN Programs (Table PN-4)

- The breakdown of LPN/LVN programs by administrative control indicates that 52 percent are located in technical or vocational schools, 35 percent in junior colleges, almost 7 percent in secondary schools, 3.9 percent in hospitals, and about 1 percent in government agencies, senior colleges, and independent agencies.
- The reader should note that there are significant regional differences in administrative control that influence the interpretation of data on admissions, enrollments, and graduations. As the following breakdown shows, LPN/LVN programs in the North Atlantic are more likely to be located in technical or vocational schools, whereas programs in the West are more likely to be in junior colleges.

	NLN Region				
Type of Administrative Control	**North Atlantic**	**Midwest**	**South**	**West**	**All Regions**
Technical or vocational school	63.9%	50.6%	57.2%	27.5%	52.0%
Junior or community college	10.6	42.5	29.3	65.5	35.0
Secondary school	15.0	4.3	5.8	4.7	6.9
Hospital	7.2	1.3	5.3	0.0	3.9
Government agency	2.8	0.4	1.6	0.0	1.3
Senior college or university	0.0	0.4	0.4	1.2	0.5
Independent agency	0.6	0.4	0.4	1.2	0.6

Table PN-4

LPN/LVN PROGRAMS, BY NLN REGION AND TYPE OF ADMINISTRATIVE CONTROL: 1978 TO 1987

NLN REGION BY TYPE OF ADMINISTRATIVE CONTROL [1]	NUMBER OF PROGRAMS									
	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
All Regions	1,310	1,298	1,299	1,309	1,295	1,297	1,254	1,165	1,058	1,035
Technical or vocational school	695	693	677	681	673	679	644	599	554	538
Junior or community college	375	381	402	404	398	404	400	373	354	362
Secondary school	76	72	66	67	73	69	83	88	80	71
Hospital	114	101	106	108	108	97	85	75	45	40
Government agency	21	22	19	19	17	17	18	11	6	13
Senior college or university	22	22	23	24	19	20	14	13	10	5
Independent agency	7	7	6	6	7	11	10	6	9	6
North Atlantic	248	245	239	233	231	236	234	224	192	180
Technical or vocational school	169	170	167	162	156	157	157	150	126	115
Junior or community college	19	20	19	21	22	22	22	20	20	19
Secondary school	25	24	24	22	27	29	29	29	26	27
Hospital	28	23	23	22	21	21	20	20	15	13
Government agency	2	3	3	2	3	3	4	3	2	5
Senior college or university	3	3	2	2	0	1	0	0	0	0
Independent agency	2	2	1	2	2	3	2	2	3	1
Midwestern	274	279	281	280	287	286	281	256	235	233
Technical or vocational school	144	149	152	151	153	152	152	124	118	118
Junior or community college	100	101	103	104	105	109	105	105	99	99
Secondary school	8	8	8	8	9	7	8	12	12	10
Hospital	14	13	11	11	14	10	10	10	3	3
Government agency	2	2	0	0	0	0	1	1	0	1
Senior college or university	4	4	5	5	5	5	4	3	2	1
Independent agency	2	2	2	1	1	3	1	1	1	1
Southern	570	566	575	585	566	564	533	503	459	451
Technical or vocational school	326	323	311	313	308	315	283	276	261	258
Junior or community college	119	124	145	149	140	142	141	133	128	132
Secondary school	36	34	28	29	27	24	34	36	32	26
Hospital	69	64	71	73	71	65	54	45	27	24
Government agency	11	12	12	13	10	10	9	7	4	7
Senior college or university	8	8	7	6	7	5	6	5	3	2
Independent agency	1	1	1	2	3	3	6	1	4	2
Western	218	208	204	211	211	211	206	182	172	171
Technical or vocational school	56	51	47	55	56	55	52	49	49	47
Junior or community college	137	136	135	130	131	131	132	115	107	112
Secondary school	7	6	6	8	10	9	12	11	10	8
Hospital	3	1	1	2	2	1	1	0	0	0
Government agency	6	5	4	4	4	4	4	0	0	0
Senior college or university	7	7	9	11	7	9	4	5	5	2
Independent agency	2	2	2	1	1	2	1	2	1	2

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

ADMISSIONS

Annual Admissions to LPN/LVN Programs (Tables PN-5 to PN-8)

- Total admissions to LPN/LVN programs dropped 4.6 percent from 1985-86 to 1986-87. This is consistent with the downward trend of the past four years. The total of 42,452 admissions for 1986-87 is the lowest level seen since 1966-67 (Table PN-5).

- The number of admissions in 1986-87 represented a net loss over the previous year of more than 2,000 students. All regions but the Midwest showed decreases in annual admissions; the North Atlantic reported the largest decrease at 16.5 percent. The West and South lost 6.2 and 3.4 percent, respectively. Admissions in the Midwest grew 6.2 percent over the last year (Tables PN-6 to PN-8).

Table PN-5

ADMISSIONS TO LPN/LVN PROGRAMS AND PERCENTAGE CHANGE FROM PREVIOUS YEAR: 1967-68 TO 1986-87

YEAR[1]	ADMISSIONS TO LPN/LVN PROGRAMS	
	Number[2]	Percent Change
1967-68	44,541	+9.3
1968-69	48,379	+8.6
1969-70	54,934	+13.5
1970-71	59,128	+7.6
1971-72	60,593	+2.5
1972-73	59,379	−2.0
1973-74	59,190	−0.3
1974-75	60,322	+1.9
1975-76	61,353	+1.7
1976-77	60,166	−1.9
1977-78	60,610	+0.7
1978-79	57,081	−5.8
1979-80	56,316	−1.3
1980-81	58,479	+3.8
1981-82	60,426	+3.3
1982-83	61,453	+1.7
1983-84	57,865	−5.8
1984-85	47,034	−18.7
1985-86	44,477	−5.4
1986-87	42,452	−4.6

[1] Time period is September 1 through August 31 for academic years 1967-68 through 1969-70, and August 1 through July 31 for subsequent years.

[2] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table PN-6

ANNUAL ADMISSIONS TO LPN/LVN PROGRAMS, BY NLN REGION AND STATE: 1977-78 TO 1986-87

NLN REGION AND STATE	NUMBER OF ADMISSIONS									
	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
United States[1]	**60,610**	**57,091**	**56,316**	**58,479**	**60,426**	**61,463**	**57,865**	**47,034**	**44,477**	**42,462**
North Atlantic	12,808	11,708	11,358	11,207	11,921	12,434	11,920	10,131	9,332	7,789
Midwest	15,443	14,980	14,877	15,316	15,439	15,382	13,935	10,533	9,556	10,145
South	23,370	22,451	22,873	24,262	24,684	25,508	24,192	19,810	18,404	17,779
West	8,989	7,953	7,208	7,694	8,382	8,140	7,818	6,560	7,185	6,730
Alabama	1,641	1,745	1,794	1,816	1,784	2,078	1,782	1,432	1,345	1,304
Alaska	35	24	24	31	56	24	23	–	0	0
Arizona	589	491	428	326	302	424	378	474	338	380
Arkansas	1,347	968	1,111	1,170	1,321	1,331	1,198	729	891	756
California	4,582	4,363	3,977	4,359	4,875	4,471	4,094	3,749	3,830	3,372
Colorado	762	573	514	533	583	628	574	313	302	486
Connecticut	506	455	374	393	437	420	402	383	425	335
Delaware	170	155	122	161	254	193	180	104	88	98
District of Columbia	190	173	138	118	124	144	122	116	277	158
Florida	2,505	2,569	2,545	2,665	2,842	2,713	2,759	2,392	2,218	2,212
Georgia	2,052	1,976	1,991	2,094	2,083	2,066	1,977	1,740	1,708	1,581
Hawaii	165	138	144	147	118	122	96	131	141	108
Idaho	196	187	188	183	185	182	181	150	137	107
Illinois	2,764	2,780	2,789	2,791	2,979	2,780	2,481	2,006	1,585	1,728
Indiana	1,056	1,013	986	1,087	1,131	1,119	1,188	988	862	932
Iowa	1,087	1,066	901	880	786	882	741	552	807	1,007
Kansas	583	533	514	539	548	562	451	451	551	646
Kentucky	707	752	879	966	1,180	1,098	1,128	873	874	895
Louisiana	1,775	1,746	1,791	1,863	1,813	2,122	1,904	1,745	1,564	1,383
Maine	235	280	220	241	234	235	222	206	190	179
Maryland	680	549	614	588	658	618	579	380	286	261
Massachusetts	1,356	1,304	1,242	1,181	1,157	1,206	985	815	852	758
Michigan	2,203	2,082	2,122	2,045	1,898	1,749	1,674	1,440	1,437	1,163
Minnesota	1,419	1,411	1,528	1,578	1,614	1,573	1,556	1,141	1,185	1,213
Mississippi	1,033	908	1,005	1,115	964	912	796	656	491	617
Missouri	1,258	1,281	1,180	1,348	1,293	1,312	1,222	1,133	931	985
Montana	286	254	242	233	262	240	246	233	205	180
Nebraska	525	508	461	551	636	636	558	339	434	389
Nevada	126	108	72	101	83	59	75	67	64	58
New Hampshire	203	189	192	205	230	208	148	42	106	82
New Jersey	1,870	1,676	1,729	1,698	1,586	1,745	1,813	1,680	1,504	1,278
New Mexico	406	294	163	190	190	258	274	183	234	242
New York	4,958	4,290	4,015	3,926	4,371	4,386	4,464	4,171	3,413	2,950
North Carolina	1,411	1,243	1,204	1,184	1,086	1,200	1,063	750	808	560
North Dakota	372	329	307	317	358	339	289	115	58	235
Ohio	2,585	2,483	2,675	2,761	2,906	3,056	2,630	1,979	1,672	1,640
Oklahoma	928	922	940	1,007	981	1,097	929	944	825	889
Oregon	380	281	209	181	165	228	136	151	380	310
Pennsylvania	2,906	2,943	3,062	3,048	3,270	3,561	3,358	2,400	2,249	1,918
Rhode Island	118	118	104	102	116	130	100	100	114	0
South Carolina	866	865	847	827	898	935	790	648	600	544
South Dakota	274	271	278	281	301	295	271	27	14	20
Tennessee	1,474	1,455	1,371	1,569	1,508	1,146	1,185	1,180	961	1,025
Texas	4,883	4,795	4,626	5,033	5,175	5,682	5,292	4,371	4,294	4,113
Utah	438	367	316	380	423	428	385	334	281	289
Vermont	206	165	180	189	177	206	163	104	114	51
Virginia	1,553	1,461	1,566	1,702	1,801	1,825	1,761	1,509	1,477	1,350
Washington	985	780	842	870	881	978	1,071	698	1,175	1,116
West Virginia	535	497	589	652	637	685	1,124	481	462	481
Wisconsin	1,307	1,232	1,158	1,156	1,221	1,059	951	362	222	187
Wyoming	79	84	89	127	114	107	126	77	88	112
American Samoa	23	25	20	19	28	18	12	12	7	7
Guam	53	35	14	–	–	–	–	–	0	0
Puerto Rico	900	812	1,104	1,198	1,063	1,323	1,542	1,637	1,518	1,302
Virgin Islands	–	–	–	–	–	–	20	–	0	0

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table PN-7

ANNUAL ADMISSIONS TO LPN/LVN PROGRAMS, BY NLN REGION AND PRIMARY SOURCE OF FINANCIAL SUPPORT: 1977-78 TO 1986-87

NLN REGION BY TYPE OF FINANCIAL SUPPORT [1]	NUMBER OF ANNUAL ADMISSIONS									
	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
All Regions	**60,610**	**57,081**	**56,316**	**58,479**	**60,426**	**61,453**	**57,865**	**47,034**	**44,477**	**42,452**
Public	55,656	52,657	52,266	54,419	55,465	56,109	52,554	42,649	41,056	39,103
Private	4,954	4,424	4,050	4,060	4,961	5,344	5,311	4,385	3,421	3,349
North Atlantic	12,808	11,708	11,358	11,207	11,921	12,434	11,920	10,131	9,332	7,789
Public	11,450	10,509	10,270	10,513	10,959	11,221	10,049	8,162	7,998	6,651
Private	1,358	1,199	1,088	694	962	1,213	1,871	1,969	1,334	1,138
Midwest	15,443	14,969	14,877	15,316	15,439	15,362	13,935	10,533	9,556	10,145
Public	14,246	13,889	13,880	14,316	14,470	14,293	12,860	10,105	9,271	9,692
Private	1,197	1,080	997	1,000	969	1,069	1,075	428	285	453
South	23,370	22,451	22,873	24,262	24,684	25,508	24,192	19,810	18,404	17,779
Public	21,778	21,242	21,678	22,654	22,702	23,476	22,765	18,890	17,708	17,095
Private	1,592	1,209	1,195	1,608	1,982	2,032	1,427	920	696	684
West	8,989	7,953	7,208	7,694	8,382	8,149	7,818	6,560	7,185	6,739
Public	8,182	7,017	6,438	6,936	7,334	7,119	6,880	5,492	6,079	5,665
Private	807	936	770	758	1,048	1,030	938	1,068	1,106	1,074

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table PN-8

ANNUAL ADMISSIONS TO LPN/LVN PROGRAMS, BY NLN REGION AND TYPE OF ADMINISTRATIVE CONTROL: 1977-78 TO 1986-87

NLN REGION BY TYPE OF ADMINISTRATIVE CONTROL [1]	NUMBER OF ANNUAL ADMISSIONS									
	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
All Regions	**60,610**	**57,081**	**56,316**	**58,479**	**60,426**	**61,453**	**57,865**	**47,034**	**44,477**	**42,452**
Technical or vocational school	35,235	34,130	33,635	34,544	35,837	35,713	33,471	27,000	25,156	23,722
Junior or community college	15,921	15,057	15,146	16,241	16,116	17,201	15,319	12,916	12,941	13,385
Secondary school	2,906	2,628	2,466	2,446	2,790	2,783	4,042	3,626	3,379	2,700
Hospital	3,938	3,383	3,115	3,352	3,918	3,729	2,617	1,510	1,178	1,000
Government agency	1,356	718	834	923	1,111	1,027	1,772	1,498	1,211	1,237
Senior college or university	916	864	834	777	481	729	359	208	297	142
Independent agency	338	301	286	196	173	271	285	276	315	266
North Atlantic	12,808	11,708	11,358	11,207	11,921	12,434	11,920	10,131	9,332	7,789
Technical or vocational school	8,818	8,229	8,056	7,974	8,630	8,699	7,821	6,810	5,976	5,172
Junior or community college	919	839	780	965	953	1,367	1,449	1,108	1,174	882
Secondary school	1,209	1,029	1,018	947	1,058	1,111	1,602	1,468	1,487	1,199
Hospital	1,388	1,151	1,002	940	989	1,031	814	639	525	397
Government agency	47	48	89	50	254	103	192	70	83	128
Senior college or university	361	356	351	296	0	44	0	0	0	0
Independent agency	66	56	62	35	37	79	42	36	87	11
Midwest	15,443	14,969	14,877	15,316	15,439	15,362	13,935	10,533	9,556	10,145
Technical or vocational school	8,936	8,875	8,938	9,301	9,095	8,902	8,074	5,704	5,368	5,585
Junior or community college	5,078	4,822	4,744	4,868	4,956	5,246	4,446	3,843	3,575	3,698
Secondary school	361	335	358	373	409	322	505	525	472	452
Hospital	761	664	608	597	802	701	494	110	69	89
Government agency	14	29	0	0	0	0	264	263	0	258
Senior college or university	85	70	76	101	99	110	90	61	39	42
Independent agency	208	174	153	76	78	81	62	27	33	21
South	23,370	22,451	22,873	24,262	24,684	25,508	24,192	19,810	18,404	17,779
Technical or vocational school	14,429	14,251	14,155	14,348	14,786	15,067	14,751	11,817	11,026	10,722
Junior or community college	5,242	5,007	5,629	6,333	5,950	6,403	5,626	4,971	4,712	5,025
Secondary school	965	912	815	860	929	937	1,170	986	795	587
Hospital	1,711	1,511	1,501	1,815	2,075	1,979	1,286	761	584	514
Government agency	735	460	515	661	623	611	1,002	1,165	1,128	851
Senior college or university	270	292	239	198	263	440	219	91	56	30
Independent agency	18	18	19	47	58	71	138	19	103	50
West	8,989	7,953	7,208	7,694	8,382	8,149	7,818	6,560	7,185	6,739
Technical or vocational school	3,052	2,775	2,486	2,921	3,326	3,045	2,825	2,669	2,786	2,243
Junior or community college	4,682	4,389	3,993	4,075	4,257	4,185	3,798	2,994	3,480	3,780
Secondary school	371	352	275	266	394	413	765	647	625	462
Hospital	78	57	4	0	52	18	23	0	0	0
Government agency	560	181	230	212	234	313	314	0	0	0
Senior college or university	200	146	168	182	119	135	50	56	202	70
Independent agency	46	53	52	38	0	40	43	194	92	184

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Fall Admissions to LPN/LVN Programs (Tables PN-9 to PN-12)

- Fall admissions (defined as admissions from August through December) typically constitute over 60 percent of annual admissions, and are therefore an important gauge for estimating annual admissions.

- Fall admissions rose slightly in 1987 after a four year decline. Net losses over the past five years resulted in a more than 25 percent decrease since 1983 (Table PN-9).

- A look at regional differences concerning fall admissions indicates that the South leads with over 42 percent of the total. The Midwest and North Atlantic regions follow with 25 percent and 20 percent, respectively. The West lags behind with 13 percent of the total fall admissions to LPN/LVN programs (Table PN-10).

- The overwhelming majority of fall admissions are found in publicly funded programs (91.6%). Regional differences in source of financial support are minor (Table PN-11).

- The pattern of fall admissions by administrative control is, as one would expect, similar to that of annual admissions. Fall admissions to technical or vocational schools represent 55.4 percent of the total. Junior or community colleges follow with 30.4 percent of the total fall admissions. Smaller percentages are found in hospital programs (2.8%), secondary schools (7.7%), senior colleges (0.3%), government agencies (3.0%), and independent agencies (0.6%) (Table PN-12).

Historical trends: Fall admissions to LPN/LVN programs peaked in 1974 and again in 1982. Since the last peak in 1982, fall admissions have plunged over 28 percent.

Table PN-9
FALL ADMISSIONS TO LPN/LVN PROGRAMS WITH PERCENTAGE CHANGE FROM PREVIOUS YEAR: 1973 TO 1987

YEAR[1]	FALL ADMISSIONS	
	Number[2]	Percent Change
1973	37,952	+ 1.3
1974	39,425	+ 3.9
1975	39,421	− 0.0
1976	39,163	− 0.6
1977	38,943	− 0.6
1978	36,589	− 6.0
1979	36,177	− 1.1
1980	37,044	+ 2.4
1981	38,236	+ 3.2
1982	39,560	+ 3.4
1983	37,788	− 4.5
1984	33,351	− 11.7
1985	29,067	− 12.8
1986	27,816	− 4.3
1987	28,274	+ 1.7

[1] Time period is August 1 through December 31

[2] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table PN-10

FALL ADMISSIONS TO LPN/LVN PROGRAMS, BY NLN REGION AND STATE: 1978 TO 1987

NLN REGION AND STATE	NUMBER OF FALL ADMISSIONS									
	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
United States[1]	**36,589**	**36,177**	**37,044**	**38,236**	**39,560**	**37,788**	**33,351**	**29,067**	**27,816**	**28,274**
North Atlantic	8,842	8,552	8,382	8,717	9,122	8,868	8,111	7,007	6,423	5,572
Midwest	10,229	10,043	10,223	10,191	10,203	9,667	7,895	6,658	6,466	7,125
South	12,703	13,302	14,242	14,853	15,758	14,815	13,253	11,862	11,477	11,944
West	4,815	4,280	4,197	4,475	4,477	4,438	4,092	3,540	3,450	3,633
Alabama	911	891	962	952	1,157	1,046	837	708	728	675
Alaska	23	24	22	32	7	23	9	–	0	0
Arizona	363	362	246	162	175	210	181	150	205	146
Arkansas	324	624	739	921	931	883	610	558	564	607
California	2,234	1,978	2,140	2,207	2,201	2,052	1,820	1,891	1,780	1,812
Colorado	364	330	343	404	381	401	286	201	236	322
Connecticut	406	339	359	406	399	0	40	102	132	32
Delaware	125	110	110	163	126	131	98	76	75	80
District of Columbia	173	213	88	111	120	99	101	113	196	146
Florida	1,079	1,028	1,103	1,119	1,237	1,183	1,191	1,062	1,119	1,193
Georgia	1,012	1,064	1,132	1,188	1,115	1,057	1,066	986	897	749
Hawaii	112	99	98	84	93	98	101	119	107	83
Idaho	156	137	134	141	143	121	92	82	73	71
Illinois	1,890	1,952	2,108	2,073	1,969	1,825	1,472	1,261	1,117	1,242
Indiana	625	591	699	706	698	757	704	653	596	642
Iowa	706	653	530	505	469	498	441	384	444	478
Kansas	318	329	271	308	358	338	264	281	434	377
Kentucky	389	423	617	729	732	705	477	506	585	469
Louisiana	670	778	714	821	893	768	743	1,019	593	809
Maine	153	176	190	185	185	185	173	132	198	124
Maryland	480	500	516	544	522	484	417	261	208	171
Massachusetts	1,168	1,127	1,180	1,112	1,154	1,046	870	780	730	759
Michigan	1,290	1,328	1,273	1,098	1,221	1,013	911	920	793	765
Minnesota	1,213	1,245	1,224	1,252	1,185	1,093	949	916	804	1,068
Mississippi	466	488	583	582	616	472	507	348	372	270
Missouri	1,051	944	1,023	1,015	1,070	991	895	687	720	724
Montana	186	177	134	146	141	181	113	127	106	167
Nebraska	282	264	285	315	323	323	234	206	240	245
Nevada	83	74	87	81	69	60	62	52	60	46
New Hampshire	146	175	157	175	157	94	99	22	102	56
New Jersey	1,127	1,129	1,164	1,066	1,159	1,187	1,242	1,009	981	984
New Mexico	348	230	173	148	140	159	198	103	134	145
New York	3,759	3,484	3,384	3,720	3,952	4,039	3,662	3,223	2,673	2,273
North Carolina	1,063	940	850	904	878	881	705	579	526	451
North Dakota	172	184	188	229	202	218	143	46	68	26
Ohio	1,745	1,657	1,769	1,814	1,897	1,816	1,366	1,173	1,098	1,369
Oklahoma	607	606	729	674	736	699	637	710	621	590
Oregon	172	202	89	87	137	168	136	105	67	101
Pennsylvania	1,584	1,610	1,569	1,619	1,693	1,873	1,703	1,356	1,285	1,038
Rhode Island	116	100	100	116	130	100	102	116	0	0
South Carolina	705	711	699	736	760	758	619	547	487	499
South Dakota	229	237	239	245	239	232	161	14	20	24
Tennessee	536	676	533	643	555	535	592	675	596	610
Texas	2,836	2,786	3,180	3,105	3,559	3,296	3,056	2,267	2,608	3,227
Utah	152	51	54	123	185	165	153	111	122	189
Vermont	85	89	81	92	95	114	66	78	51	80
Virginia	1,219	1,377	1,452	1,542	1,623	1,525	1,474	1,333	1,230	1,223
Washington	558	546	563	644	585	686	730	535	496	479
West Virginia	406	410	433	418	470	523	361	303	343	401
Wisconsin	708	659	614	657	608	563	391	117	132	165
Wyoming	64	70	114	117	110	114	91	64	64	72
American Samoa	25	20	19	20	17	17	17	17	7	7
Guam	20	14	–	–	–	–	–	–	0	0
Puerto Rico	323	475	464	367	625	801	699	1,624	911	832
Virgin Islands	–	–	–	–	–	19	20	–	0	0

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table PN-11

FALL ADMISSIONS TO LPN/LVN PROGRAMS, BY NLN REGION AND PRIMARY SOURCE OF FINANCIAL SUPPORT: 1978 TO 1987

NLN REGION BY TYPE OF FINANCIAL SUPPORT [1]	NUMBER OF FALL ADMISSONS									
	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
All Regions	**36,589**	**36,177**	**37,044**	**38,236**	**39,560**	**37,788**	**33,351**	**29,067**	**27,816**	**28,274**
Public	33,549	33,349	34,301	35,175	36,346	34,573	30,550	26,355	25,766	25,890
Private	3,040	2,828	2,743	3,061	3,214	3,215	2,801	2,712	2,050	2,384
North Atlantic	8,842	8,552	8,382	8,717	9,122	8,868	8,111	7,007	6,423	5,572
Public	7,908	7,705	7,682	7,948	8,211	7,873	6,821	5,605	5,380	4,592
Private	934	847	700	769	911	995	1,290	1,402	1,043	980
Midwest	10,229	10,043	10,223	10,191	10,203	9,667	7,895	6,658	6,466	7,125
Public	9,435	9,265	9,564	9,441	9,582	8,963	7,362	6,400	6,266	6,847
Private	794	778	659	750	621	704	533	258	200	278
South	12,703	13,302	14,242	14,853	15,758	14,815	13,253	11,862	11,477	11,944
Public	11,842	12,505	13,256	13,678	14,578	13,652	12,594	11,248	11,111	11,343
Private	861	797	986	1,175	1,180	1,163	659	614	366	601
West	4,815	4,280	4,197	4,475	4,477	4,438	4,029	3,540	3,450	3,633
Public	4,364	3,874	3,799	4,108	3,975	4,085	3,773	3,102	3,009	3,108
Private	451	406	398	367	502	353	319	438	441	525

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table PN-12

FALL ADMISSIONS TO LPN/LVN PROGRAMS, BY NLN REGION AND TYPE OF ADMINISTRATIVE CONTROL: 1978 TO 1987

NLN REGION BY TYPE OF ADMINISTRATIVE CONTROL [1]	NUMBER OF FALL ADMISSIONS									
	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
All Regions	**36,589**	**36,177**	**37,044**	**38,236**	**39,560**	**37,788**	**33,301**	**29,087**	**27,816**	**28,274**
Technical or vocational school	20,608	21,007	21,451	22,064	22,985	21,437	18,341	16,678	15,882	15,655
Junior or community college	10,002	9,503	10,148	10,427	10,566	10,815	9,820	7,843	7,904	8,582
Secondary school	2,354	2,209	2,123	2,002	2,252	2,178	2,491	2,512	2,335	2,166
Hospital	2,502	2,315	2,422	2,643	2,906	2,328	1,501	1,110	758	794
Government agency	243	375	273	476	290	315	786	644	611	850
Senior college or university	665	589	539	526	395	540	248	164	150	71
Independent agency	215	179	88	98	166	175	164	116	176	156
North Atlantic	8,842	8,552	8,382	8,717	9,122	8,868	8,111	7,007	6,423	5,572
Technical or vocational school	5,881	5,844	5,718	5,987	6,116	5,681	5,041	4,515	4,119	3,468
Junior or community college	676	618	669	667	908	1,096	1,165	731	726	641
Secondary school	1,001	913	952	879	1,067	1,109	1,082	1,135	1,082	983
Hospital	1,006	845	827	904	951	826	686	523	358	314
Government agency	0	54	46	93	35	40	102	66	53	152
Senior college or university	222	216	146	150	0	36	0	0	0	0
Independent agency	56	62	24	37	45	80	35	37	85	14
Midwest	10,229	10,043	10,223	10,191	10,203	9,667	7,895	6,658	6,466	7,125
Technical or vocational college	5,716	5,676	6,147	6,047	5,839	5,508	4,406	3,588	3,675	4,153
Junior or community college	3,523	3,381	3,227	3,311	3,368	3,365	2,815	2,534	2,382	2,521
Secondary school	280	282	279	218	275	190	232	335	351	342
Hospital	508	505	426	473	586	480	255	61	22	22
Government agency	29	30	0	0	0	0	88	80	0	87
Senior college or university	68	70	103	100	95	85	83	60	36	0
Independent agency	105	99	41	42	40	39	16	0	0	0
South	12,703	13,302	14,242	14,853	15,758	14,815	13,253	11,882	11,477	11,944
Technical or vocational school	7,579	8,211	8,271	8,579	9,320	8,736	7,819	7,246	6,737	6,552
Junior or community college	2,967	2,945	3,836	3,888	3,957	3,786	3,451	2,781	3,034	3,644
Secondary school	771	741	613	709	689	728	684	781	644	598
Hospital	948	965	1,169	1,227	1,325	1,004	521	526	378	458
Government agency	214	251	177	295	225	193	525	498	558	611
Senior college or university	224	189	176	136	201	312	140	43	60	29
Independent agency	0	0	0	19	41	56	113	7	66	52
West	4,815	4,280	4,197	4,475	4,477	4,438	4,029	3,540	3,450	3,633
Technical or vocational school	1,432	1,276	1,315	1,451	1,710	1,512	1,275	1,329	1,351	1,482
Junior or community college	2,836	2,559	2,416	2,561	2,333	2,568	2,389	1,797	1,762	1,776
Secondary school	302	273	279	196	221	151	293	281	258	243
Hospital	40	0	0	39	44	18	39	0	0	0
Government agency	0	40	50	88	30	82	71	0	0	0
Senior college or university	151	114	114	140	99	107	25	61	54	42
Independent agency	54	18	23	0	40	0	0	72	25	90

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

ENROLLMENTS

Enrollments in LPN/LVN Programs (Tables PN-13 to PN-16)

- Enrollments in LPN/LVN programs rose 4 percent in 1987. This increase follows on the heels of a four-year decline (Table PN-13).
- The Southern region reported 40.6 percent of the total enrollments in LPN/LVN programs in the United States. The Midwest reported 24.5 percent; the North Atlantic, 19.3 percent; and the West, 15.7 percent (Table PN-14).
- Over 92 percent of the total enrollments are located in publicly supported programs (Table PN-15).
- The distribution of total enrollments among programs under the various types of administrative control mirrors the pattern reported for fall admissions and annual admissions. Examining regional differences, the West has the greatest proportion of enrollments in junior or community colleges (Table PN-16).

Historical trends: Enrollments in LPN/LVN programs peaked in 1974 at 57,902 and again in 1982 at 57,367. The percentage decline over the past decade (1978) has been 26.6 percent. The five-year trend indicates a 27.8 percent drop since 1983.

Table PN-13
ENROLLMENTS IN LPN/LVN PROGRAMS WITH PERCENTAGE CHANGE FROM PREVIOUS YEAR: 1968 TO 1987

YEAR	ENROLLMENTS Number[1]	ENROLLMENTS Percent Change
1968	43,698	+7.6
1969	47,636	+9.0
1970	52,526	+10.3
1971	57,114	+8.7
1972	57,287	+0.3
1973	56,267	−1.8
1974	57,902	+2.9
1975	58,460	+1.0
1976	58,423	−0.1
1977	56,943	−2.5
1978	54,543	−4.2
1979	52,202	−4.3
1980	52,565	+0.7
1981	55,024	+4.7
1982	57,367	+4.2
1983	55,446	−3.4
1984	48,840	−11.9
1985	39,345	−19.4
1986	38,510	−2.1
1987	40,035	+4.0

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table PN-14
ENROLLMENTS IN LPN/LVN PROGRAMS, BY NLN REGION AND STATE: 1978-1987

NLN REGION AND STATE	NUMBER OF ENROLLMENTS									
	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
United States[1]	**54,543**	**52,202**	**52,565**	**55,024**	**57,367**	**55,946**	**48,840**	**39,345**	**38,510**	**40,035**
North Atlantic	12,666	11,686	11,339	11,867	12,331	12,383	11,177	8,986	8,125	7,731
Midwest	13,729	13,444	13,439	14,098	14,086	13,711	11,279	8,625	8,629	9,787
South	20,210	19,743	20,753	21,664	23,000	22,015	19,393	16,304	15,562	16,241
West	7,938	7,329	7,034	7,395	7,950	7,837	6,991	5,430	6,194	6,276
Alabama	1,373	1,393	1,444	1,493	1,636	1,641	1,178	1,018	1,010	1,131
Alaska	23	24	20	23	22	22	7	—	0	0
Arizona	488	368	331	325	319	255	301	239	280	343
Arkansas	849	937	988	1,107	1,187	1,154	762	596	624	894
California	4,449	4,420	4,226	4,329	4,841	4,137	3,861	3,340	3,431	3,087
Colorado	555	458	424	514	533	565	397	199	282	504
Connecticut	485	369	383	409	422	332	328	302	249	242
Delaware	164	163	146	228	272	270	210	63	60	90
District of Columbia	203	184	94	120	119	118	113	140	244	148
Florida	2,135	2,124	2,192	2,398	2,427	2,465	2,266	1,905	1,658	1,924
Georgia	1,664	1,736	1,714	1,662	1,704	1,719	1,519	1,332	1,170	1,226
Hawaii	135	106	137	109	120	117	93	117	126	110
Idaho	197	158	154	166	164	174	128	112	107	97
Illinois	2,548	2,523	2,531	2,734	2,738	2,471	2,059	1,523	1,335	1,594
Indiana	934	911	953	1,030	1,021	1,068	944	883	803	936
Iowa	979	939	754	728	674	849	589	427	626	925
Kansas	518	487	435	484	528	467	395	347	619	543
Kentucky	638	633	769	979	1,005	803	748	755	701	771
Louisiana	1,428	1,334	1,347	1,547	1,577	1,523	1,419	1,340	1,132	1,193
Maine	211	247	214	220	222	211	192	151	184	168
Maryland	703	687	697	714	639	670	596	379	308	247
Massachusetts	1,289	1,220	1,241	1,122	1,141	1,055	881	774	746	781
Michigan	1,898	1,869	1,803	1,707	1,651	1,481	1,501	1,304	1,256	1,148
Minnesota	1,300	1,343	1,401	1,427	1,361	1,302	1,078	927	1,004	1,145
Mississippi	859	800	876	933	820	716	741	513	523	520
Missouri	1,106	1,104	1,214	1,275	1,254	1,219	1,156	957	894	869
Montana	186	188	170	212	199	196	178	171	166	161
Nebraska	437	435	415	493	545	533	415	303	388	402
Nevada	118	98	86	97	68	49	62	52	60	52
New Hampshire	184	160	181	212	235	203	134	51	103	102
New Jersey	1,628	1,598	1,537	1,503	1,552	1,586	1,831	1,220	1,115	1,303
New Mexico	349	239	190	142	180	275	263	125	248	280
New York	5,531	4,825	4,603	4,895	5,079	5,132	4,407	4,009	3,395	3,027
North Carolina	1,208	1,039	1,069	1,128	1,103	1,078	860	634	560	504
North Dakota	202	265	242	303	263	327	206	126	82	186
Ohio	2,398	2,165	2,450	2,644	2,785	2,824	2,155	1,643	1,463	1,777
Oklahoma	867	867	937	906	981	994	808	729	730	712
Oregon	264	254	195	155	183	206	180	129	240	256
Pennsylvania	2,679	2,686	2,717	2,948	3,038	3,206	2,898	2,085	1,948	1,698
Rhode Island	114	95	94	113	125	96	96	98	0	0
South Carolina	891	887	869	926	964	961	710	617	573	556
South Dakota	288	255	278	265	281	282	193	13	20	24
Tennessee	1,048	988	992	1,137	1,456	691	1,110	1,033	763	893
Texas	4,116	3,862	4,212	3,968	4,471	4,702	4,370	3,414	3,610	3,477
Utah	287	237	225	319	375	374	338	287	259	279
Vermont	178	139	129	163	170	174	162	93	81	82
Virginia	1,962	1,972	2,073	2,211	2,474	2,294	1,981	1,644	1,766	1,776
Washington	823	706	752	774	718	859	856	596	915	1,032
West Virginia	469	484	574	566	589	604	408	395	434	417
Wisconsin	1,121	1,148	963	1,049	1,034	888	657	172	139	198
Wyoming	64	73	124	112	102	108	100	63	80	95
American Samoa	34	30	29	30	25	24	17	17	14	14
Guam	47	41	—	—	—	—	—	—	0	0
Puerto Rico	996	968	1,280	1,308	1,355	1,522	1,661	2,125	1,801	1,607
Virgin Islands	—	—	—	—	—	19	20	—	0	0

[1] National and regional otals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table PN-15

ENROLLMENTS IN LPN/LVN PROGRAMS, BY NLN REGION AND PRIMARY SOURCE OF FINANCIAL SUPPORT: 1978 TO 1987

NLN REGION BY TYPE OF FINANCIAL SUPPORT [1]	NUMBER OF ENROLLMENTS									
	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
All Regions	**54,543**	**52,202**	**52,565**	**55,024**	**57,367**	**55,446**	**48,840**	**39,345**	**38,510**	**40,035**
Public	50,340	48,515	48,986	51,163	52,886	51,103	44,778	35,926	35,785	37,133
Private	4,203	3,687	3,579	3,861	4,481	4,343	4,062	3,419	2,725	2,902
North Atlantic	12,666	11,686	11,339	11,867	12,331	12,383	11,177	8,986	8,125	7,731
Public	11,559	10,684	10,477	11,048	11,342	11,280	9,640	7,401	7,046	6,659
Private	1,107	1,002	862	819	989	1,103	1,537	1,585	1,079	1,072
Midwest	13,729	13,444	13,439	14,098	14,086	13,711	11,279	8,625	8,629	9,787
Public	12,619	12,467	12,586	13,132	13,234	12,758	10,508	8,282	8,378	9,386
Private	1,110	977	853	966	852	953	771	343	251	401
South	20,210	19,743	20,753	21,664	23,000	22,015	19,393	16,304	15,562	16,241
Public	18,959	18,705	19,607	20,273	21,317	20,414	18,368	15,570	15,037	15,613
Private	1,251	1,038	1,146	1,391	1,683	1,601	1,025	734	525	628
West	7,938	7,329	7,034	7,395	7,950	7,337	6,991	5,430	6,194	6,276
Public	7,203	6,659	6,316	6,710	6,993	6,651	6,262	4,673	5,324	5,475
Private	735	670	718	685	957	686	729	757	870	801

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table PN-16

ENROLLMENTS IN LPN/LVN PROGRAMS, BY NLN REGION AND ADMINISTRATIVE CONTROL: 1978 TO 1987

NLN REGION BY TYPE OF ADMINISTRATIVE CONTROL [1]	NUMBER OF ENROLLMENTS									
	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
All Regions	**54,543**	**52,202**	**52,565**	**55,024**	**57,367**	**55,446**	**48,840**	**39,345**	**38,510**	**40,035**
Technical or vocational school	31,481	30,740	30,892	32,729	33,774	31,876	27,254	22,495	21,406	21,931
Junior or community college	14,224	13,765	14,294	14,569	15,048	15,376	13,574	10,499	11,347	12,979
Secondary school	3,567	3,159	3,004	3,096	3,533	3,296	3,771	3,624	3,391	3,134
Hospital	3,293	2,810	2,905	3,098	3,599	3,025	1,991	1,184	891	933
Government agency	903	727	584	714	784	982	1,069	1,183	940	700
Senior college or university	797	788	719	655	430	642	342	183	298	109
Independent agency	278	284	167	163	199	269	239	177	236	249
North Atlantic	12,666	11,686	11,339	11,867	12,331	12,383	11,177	8,986	8,125	7,731
Technical or vocational school	8,614	8,117	7,866	8,347	8,558	8,564	7,375	5,949	5,204	5,043
Junior or community college	847	807	791	852	987	1,123	1,245	883	890	782
Secondary school	1,617	1,383	1,417	1,324	1,492	1,441	1,549	1,500	1,518	1,345
Hospital	1,174	961	940	988	1,001	887	723	489	372	394
Government agency	36	62	67	101	241	245	252	72	59	153
Senior college or university	325	294	234	239	0	38	0	0	0	0
Independent agency	53	62	24	36	44	87	33	23	82	14
Midwest	13,729	13,444	13,439	14,098	14,086	13,711	11,279	8,625	8,629	9,787
Technical or vocational college	8,068	7,948	8,215	8,653	8,270	7,943	6,569	4,677	4,837	5,245
Junior or community college	4,312	4,272	4,176	4,381	4,542	4,692	3,683	3,085	3,273	3,738
Secondary school	366	366	336	320	411	290	394	488	416	514
Hospital	692	599	526	582	712	626	324	91	59	68
Government agency	39	33	0	0	0	0	188	206	0	190
Senior college or university	65	68	102	100	93	92	88	53	35	18
Independent agency	187	158	84	62	58	68	33	25	9	14
South	20,210	19,743	20,753	21,664	23,000	22,015	19,393	16,304	15,562	16,241
Technical or vocational school	12,297	12,410	12,536	13,143	14,041	12,913	11,084	9,754	9,031	9,634
Junior or community college	4,486	4,188	5,182	5,250	5,272	5,539	4,860	3,890	4,084	4,833
Secondary school	1,283	1,154	997	1,147	1,146	1,142	1,229	1,068	939	882
Hospital	1,363	1,250	1,436	1,523	1,835	1,494	893	604	460	471
Government agency	517	468	368	442	421	462	981	905	881	357
Senior college or university	248	256	223	131	228	386	211	76	84	28
Independent agency	16	17	11	28	57	79	135	7	83	36
West	7,938	7,329	7,034	7,395	7,950	7,337	6,991	5,430	6,194	6,276
Technical or vocational school	2,502	2,265	2,275	2,586	2,907	2,456	2,226	2,115	2,333	2,009
Junior or community college	4,579	4,468	4,145	4,086	4,237	4,022	3,786	2,661	3,100	3,626
Secondary school	301	256	254	305	484	423	599	478	518	393
Hospital	64	0	3	25	51	18	51	0	0	0
Government agency	311	164	149	171	122	255	248	0	0	0
Senior college or university	159	129	160	185	109	128	43	54	179	63
Independent agency	22	47	48	37	40	35	38	122	64	185

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands

GRADUATIONS

Graduations From LPN/LVN Programs (Tables PN-17 to PN-20)

- The number of graduations from practical and vocational nursing programs rose from 38,510 in 1985-86 to 40,035 in 1986-87. This represents a 3.8 percent decrease this year (Table PN-17).
- The majority of graduates of LPN/LVN programs are coming from Southern schools (39.9%). The Midwestern schools reported 24.3 percent of the graduations, the North Atlantic schools 19.1 percent, and the Western schools 16.8 percent (Table PN-18).
- Graduations from publicly supported schools constitute 92.1 percent of the total (Table PN-19).
- Over half the graduations from LPN/LVN programs stem from technical or vocational schools (54.8%). About a third graduated from junior or community colleges (32.8%). Graduations from hospital programs (2.6%), secondary schools (6.0%), government agencies (2.7%), senior colleges (0.3%) and independent agencies (0.7%) account for the remaining graduates (Table PN-20).

Historical trends: The number of LPN/LVN graduates peaked in 1975-76 at 47,145. Since then, the number of graduations has dropped 15.1 percent. Graduations declined 11.4 percent in the past five years.

Table PN-17

GRADUATIONS FROM LPN/LVN PROGRAMS WITH PERCENTAGE CHANGE FROM PREVIOUS YEAR: 1967-68 TO 1986-87

YEAR[1]	GRADUATIONS [2]		YEAR[1]	GRADUATIONS [2]	
	Number	Percent Change		Number	Percent Change
1967-68	30,294	+ 10.8	1977-78	45,350	− 2.7
1968-69	34,344	+ 13.4	1978-79	44,235	− 2.5
1969-70	36,456	+ 6.1	1979-80	41,892	− 5.3
1970-71	37,954	+ 4.1	1980-81	41,002	− 2.1
1971-72	43,673	+ 15.1	1981-82	43,299	+ 5.6
1972-73	45,565	+ 4.3	1982-83	45,174	+ 4.3
1973-74	45,002	− 1.2	1983-84	44,654	− 2.5
1974-75	45,375	+ 0.8	1984-85	36,955	− 17.2
1975-76	47,145	+ 3.9	1985-86	38,510	+ 4.2
1976-77	46,614	− 1.1	1986-87	40,035	+ 3.8

[1] Time period is September 1 through August 31 for academic years 1965-66 through 1981-82, and August 1 through July 31 for subsequent years.

[2] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table PN-18

GRADUATIONS FROM LPN/LVN PROGRAMS, BY NLN REGION AND STATE: 1977-78 TO 1986-87

NLN REGION AND STATE	NUMBER OF GRADUATIONS									
	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
United States[1]	**45,350**	**44,235**	**41,892**	**41,002**	**43,299**	**45,174**	**44,054**	**36,955**	**29,599**	**27,285**
North Atlantic	9,960	9,298	8,616	7,952	8,291	8,782	8,858	7,605	6,168	5,207
Midwest	12,507	12,352	11,522	11,557	11,983	12,565	11,715	9,077	7,085	6,619
South	16,212	15,789	15,629	15,486	16,497	17,083	16,978	14,322	11,703	10,879
West	6,671	6,796	6,125	6,007	6,528	6,744	6,503	5,951	4,643	4,580
Alabama	959	1,097	1,138	1,105	1,216	1,226	1,392	1,014	812	783
Alaska	31	19	16	15	8	12	15	—	—	—
Arizona	415	453	367	329	389	384	400	464	243	316
Arkansas	824	783	825	954	908	1,181	947	699	504	625
California	3,276	3,371	3,095	2,944	3,189	3,489	2,999	2,896	2,343	2,207
Colorado	665	531	459	480	497	511	526	304	269	260
Connecticut	463	388	343	279	228	229	296	311	256	257
Delaware	153	72	78	50	91	82	89	63	64	44
District of Columbia	85	108	70	65	81	71	59	45	44	61
Florida	1,976	1,797	1,819	1,828	1,927	2,148	2,250	1,930	1,512	1,374
Georgia	1,378	1,422	1,416	1,270	1,267	1,461	1,301	1,101	923	863
Hawaii	116	119	100	124	116	128	114	91	97	63
Idaho	172	196	179	136	150	138	149	128	74	90
Illinois	2,223	2,151	2,086	2,120	2,125	2,259	1,913	1,566	1,296	1,030
Indiana	958	841	727	768	855	857	893	824	674	669
Iowa	808	917	877	722	754	809	710	483	397	489
Kansas	568	556	548	573	570	716	681	512	419	469
Kentucky	439	435	547	595	603	708	722	684	545	596
Louisiana	962	1,002	1,008	943	976	1,109	1,035	911	798	763
Maine	194	189	201	213	185	247	266	156	146	152
Maryland	498	376	357	367	379	387	429	254	204	175
Massachusetts	1,129	1,078	1,029	980	1,184	913	837	611	590	541
Michigan	1,664	1,698	1,577	1,524	1,613	1,488	1,348	1,112	1,013	955
Minnesota	1,133	1,281	1,205	1,204	1,135	1,118	1,058	908	715	718
Mississippi	700	688	618	694	708	657	588	531	360	418
Missouri	1,085	1,001	931	903	1,068	1,073	1,096	972	819	644
Montana	185	165	168	133	129	132	155	145	106	100
Nebraska	432	364	365	338	381	468	446	391	255	227
Nevada	70	91	83	72	86	67	57	62	45	43
New Hampshire	142	155	114	146	143	200	209	122	80	56
New Jersey	1,490	1,361	1,257	1,138	1,190	1,171	1,132	1,162	1,052	814
New Mexico	281	314	230	278	296	294	274	266	197	152
New York	3,591	3,092	2,735	2,565	2,498	2,924	2,933	2,736	2,059	1,844
North Carolina	1,064	1,010	878	870	873	929	788	539	463	329
North Dakota	305	278	238	243	249	282	256	95	42	44
Ohio	2,081	2,097	1,861	2,036	2,176	2,333	2,380	1,821	1,300	1,215
Oklahoma	703	739	736	774	704	721	720	686	594	489
Oregon	362	345	356	365	375	358	319	343	315	265
Pennsylvania	2,435	2,590	2,564	2,338	2,479	2,705	2,855	2,214	1,709	1,336
Rhode Island	108	95	86	72	99	111	87	78	79	45
South Carolina	624	478	448	508	542	515	576	416	362	321
South Dakota	234	207	208	229	215	245	231	24	13	17
Tennessee	953	899	1,046	974	1,355	936	821	980	597	655
Texas	3,715	3,607	3,441	3,136	3,221	3,410	3,885	3,203	2,750	2,397
Utah	230	249	261	246	267	339	311	248	237	233
Vermont	170	170	139	123	131	129	128	107	89	57
Virginia	982	1,016	923	993	1,114	1,149	1,083	1,001	840	751
Washington	810	879	753	788	874	806	953	919	658	784
West Virginia	433	440	429	475	514	546	497	393	439	320
Wisconsin	1,016	961	699	897	880	917	752	369	142	142
Wyoming	58	64	58	80	86	86	93	85	59	67
American Samoa	0	9	10	10	8	0	12	12	8	6
Guam	41	24	16	—	—	—	—	—	0	0
Puerto Rico	600	798	616	856	897	932	1,020	1,415	1,086	931
Virgin Islands	—	—	—	—	—	—	—	—	0	0

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table PN-19

GRADUATIONS FROM LPN/LVN PROGRAMS, BY NLN REGION AND PRIMARY SOURCE OF FINANCIAL SUPPORT: 1977-78 TO 1986-87

NLN REGION BY TYPE OF FINANCIAL SUPPORT [1]	NUMBER OF GRADUATIONS									
	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
All Regions	**45,370**	**44,235**	**41,892**	**41,002**	**43,299**	**45,174**	**44,054**	**36,955**	**29,599**	**27,285**
Public	41,244	40,625	38,768	38,120	40,259	41,343	39,721	33,732	27,594	25,133
Private	4,106	3,610	3,124	2,882	3,040	3,831	4,333	3,223	2,005	2,152
North Atlantic	9,980	9,298	8,616	7,952	8,291	8,782	8,858	7,605	6,168	5,207
Public	8,684	8,297	7,698	7,312	7,629	7,845	7,303	6,221	5,319	4,397
Private	1,296	1,001	918	640	662	937	1,555	1,384	849	810
Midwest	12,507	12,352	11,522	11,557	11,983	12,565	11,715	9,077	7,085	6,619
Public	11,467	11,311	10,693	10,720	11,387	11,697	10,758	8,591	6,848	6,295
Private	1,040	1,041	829	837	596	868	957	486	237	324
South	16,212	15,789	15,629	15,486	16,497	17,083	16,978	14,322	11,703	10,879
Public	15,017	14,826	14,758	14,560	15,325	15,708	15,755	13,622	11,316	10,444
Private	1,195	963	871	926	1,172	1,375	1,223	700	387	435
West	6,671	6,796	6,125	6,007	6,528	6,744	6,503	5,951	4,643	4,580
Public	6,096	6,191	5,619	5,528	5,918	6,093	5,905	5,298	4,111	3,997
Private	575	605	506	479	610	651	598	653	532	583

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table PN-20
GRADUATIONS FROM LPN/LVN PROGRAMS, BY NLN REGION AND TYPE OF ADMINISTRATIVE CONTROL: 1977-78 TO 1986-87

NLN REGION BY TYPE OF ADMINISTRATIVE CONTROL [1]	NUMBER OF GRADUATIONS									
	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87
All Regions	**45,350**	**44,235**	**41,892**	**41,002**	**43,299**	**46,174**	**44,084**	**36,955**	**29,599**	**27,285**
Technical or vocational school	25,407	24,971	23,901	23,297	24,786	25,302	24,089	20,487	16,565	14,946
Junior or community college	12,566	12,656	12,276	12,421	12,903	14,034	13,116	11,286	8,784	8,956
Secondary school	2.016	1,897	1,792	1,513	1,836	1,827	2,629	2,640	2,334	1,647
Hospital	3,372	2,947	2,371	2,403	2,577	2,780	2,409	1,271	833	714
Government agency	1,002	776	538	591	576	646	1,179	827	707	747
Senior college or university	694	728	772	640	413	484	393	284	213	93
Independent agency	293	260	242	137	146	101	239	180	183	182
North Atlantic	9,960	9,298	8,616	7,952	8,291	8,782	8,858	7,605	6,168	5,207
Technical or vocational school	6,569	6,277	5,867	5,530	5,812	6,092	5,857	5,182	4,112	3,553
Junior or community college	902	861	786	728	845	961	1,086	811	615	525
Secondary school	867	754	783	639	786	746	1,023	1,083	951	724
Hospital	1,312	1,009	804	783	783	800	736	474	393	304
Government agency	8	62	33	53	38	124	138	55	40	101
Senior college or university	242	271	296	179	0	29	0	0	0	0
Independent agency	60	44	48	40	27	30	38	20	58	0
Midwest	12,507	12,362	11,522	11,557	11,983	12,585	11,715	9,077	7,085	6,619
Technical or vocational college	7,238	7,021	6,778	6,703	6,888	6,980	6,569	4,884	3,972	3,529
Junior or community college	4,036	4,110	3,739	3,914	4,124	4,596	4,062	3,269	2,549	2,601
Secondary school	292	270	284	245	308	254	413	550	455	300
Hospital	648	670	504	561	511	578	423	130	61	57
Government agency	15	25	4	0	0	0	110	144	0	115
Senior college or university	103	89	83	93	112	111	97	56	32	0
Independent agency	175	167	130	41	40	44	51	44	16	17
South	16,212	15,789	15,629	15,486	16,497	17,083	16,978	14,322	11,703	10,879
Technical or vocational school	9,641	9,583	9,416	9,230	10,055	10,182	9,782	8,367	6,858	6,470
Junior or community college	3,804	3,727	4,065	4,135	4,089	4,319	4,251	3,912	3,179	3,078
Secondary school	615	632	517	501	540	624	791	664	524	393
Hospital	1,331	1,216	1,050	1,055	1,273	1,402	1,195	667	389	353
Government agency	613	412	359	402	370	353	684	628	658	531
Senior college or university	194	210	216	135	128	176	160	89	48	27
Independent agency	14	9	16	28	42	27	115	15	47	25
West	6,671	6,796	6,125	6,007	6,528	6,744	6,503	5,951	4,643	4,580
Technical or vocational school	1,959	2,090	1,820	1,834	2,031	2,048	1,881	2,054	1,623	1,394
Junior or community college	3,824	3,938	3,896	3,644	3,905	4,156	3,747	3,274	2,441	2,752
Secondary school	242	241	228	128	204	203	402	363	404	228
Hospital	81	52	13	4	10	0	55	0	0	0
Government agency	366	277	142	136	168	169	247	0	0	0
Senior college or university	155	158	178	233	173	168	136	159	133	66
Independent agency	44	40	48	28	37	0	35	101	42	140

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

MEN AND MINORITY STUDENTS

Men and Minority Students (Tables PN-21 to PN-22)

- Survey questions concerning men and minority students were answered by 738 programs. This represents approximately two-thirds of the total population of LPN/LVN programs.

- In 1986, blacks constituted over 19 percent of students who were admitted to LPN/LVN programs. An additional 6 percent of annual admissions were men, and over 4 percent were Hispanic. Asians and American Indians each accounted for about 1 percent of the admissions (Table PN-21).

- The West reported the largest proportions of male, Hispanic, Asian, and American Indian students admitted. The South reported the greatest number of blacks (Table PN-21).

- The proportion of blacks admitted to LPN/LVN programs has increased since 1978 when NLN first began collecting such data. The proportion of American Indian and male LPN/LVN admissions remain relatively unchanged since 1984 and Hispanic and Asian admissions have been increasing very slightly since that year (Table PN-22).

Table PN-21

ADMISSIONS OF MEN AND MINORITY STUDENTS TO LPN/LVN PROGRAMS, BY NLN REGIONS AND STATES: 1986-87[1,2]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL ADMISSIONS	NUMBER OF ADMISSIONS				
			Males	Blacks	Hispanic	Asian	American Indian
United States	**738**	**30,313**	**1,862**	**5,928**	**1,270**	**460**	**224**
North Atlantic	135	5,972	266	1,290	208	61	17
Midwest	181	8,099	505	1,148	147	76	55
South	314	12,146	726	3,001	556	73	65
West	108	4,096	365	489	359	250	87
Alabama	13	873	42	321	2	6	3
Alaska	0	0	0	0	0	0	0
Arizona	7	278	26	12	49	7	23
Arkansas	19	546	15	87	4	0	2
California	38	1,568	127	395	177	152	14
Colorado	11	325	26	20	41	3	3
Connecticut	7	195	11	21	6	1	0
Delaware	2	59	2	17	1	0	0
District of Columbia	2	159	9	58	1	0	0
Florida	27	1,890	116	571	106	23	6
Georgia	23	891	26	365	3	3	3
Hawaii	3	85	2	0	0	58	0
Idaho	4	67	6	0	1	0	2
Illinois	23	1,482	100	396	80	29	1
Indiana	14	749	44	47	4	3	2
Iowa	14	383	25	7	1	2	11
Kansas	13	551	47	55	12	3	11
Kentucky	10	483	81	33	6	0	0
Louisiana	22	874	48	334	3	6	0
Maine	3	99	6	0	1	0	1
Maryland	12	251	17	76	2	2	0
Massachusetts	12	386	19	18	7	1	0
Michigan	22	1,076	66	393	12	4	4
Minnesota	23	1,093	81	45	13	20	14
Mississippi	3	137	1	51	2	0	0
Missouri	26	712	37	44	4	6	3
Montana	5	180	10	1	1	0	11
Nebraska	7	348	11	0	8	1	3
Nevada	2	40	5	2	0	2	1
New Hampshire	2	62	5	0	0	0	0
New Jersey	23	1,160	40	389	95	37	2
New Mexico	5	206	14	13	60	1	0
New York	42	2,275	90	653	86	18	10
North Carolina	20	457	30	122	14	4	3
North Dakota	2	148	7	0	0	3	0
Ohio	32	1,354	74	130	10	3	6
Oklahoma	17	472	12	39	8	3	42
Oregon	8	246	31	0	4	0	6
Pennsylvania	39	1,526	81	134	11	4	4
Rhode Island	0	473	0	0	0	0	0
South Carolina	17	20	18	137	0	1	1
South Dakota	1	926	2	0	0	0	0
Tennessee	17	2,589	37	109	2	1	1
Texas	64	289	237	489	394	18	4
Utah	6	51	34	2	7	2	9
Vermont	3	947	3	0	0	0	0
Virginia	37	700	22	257	9	6	0
Washington	14	337	79	41	14	25	17
West Virginia	13	183	24	10	1	0	0
Wisconsin	4	112	11	31	3	2	0
Wyoming	5	0	5	3	5	0	1
American Samoa	–	–	–	–	–	–	–
Guam	–	–	–	–	–	–	–
Puerto Rico	–	544	–	–	–	–	–
Virgin Islands	–	–	–	–	–	–	–

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Figures represent only those programs responding to this section of the questionnaire.

Table PN-22

TRENDS IN ADMISSIONS OF MEN AND MINORITY STUDENTS IN LPN/LVN PROGRAMS, 1978 TO 1987[1]

YEAR	NUMBER OF PROGRAMS REPORTING	MEN		BLACKS		HISPANIC		ASIAN		AMERICAN INDIAN	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
ALL REGIONS											
1978	1,084	2,322	4.4	5,881	11.1	1,580	3.0	714	1.4	*	*
1981	1,081	2,749	6.1	6,252	14.6	1,683	4.9	731	2.2	*	*
1984	912	3,170	6.5	7,732	15.8	1,766	3.6	506	1.0	519	1.1
1985	851	2,167	6.1	5,829	16.4	1,327	3.7	379	1.1	339	1.0
1987	738	1,862	6.1	5,928	19.5	1,270	4.2	460	1.5	224	0.7
NORTH ATLANTIC											
1978	195	403	3.7	861	7.8	178	1.6	47	0.4	*	*
1981	187	408	4.6	860	10.1	211	3.0	44	0.7	*	*
1984	166	518	4.8	1,691	15.7	236	2.2	44	0.4	46	0.4
1985	158	513	6.1	1,229	14.7	158	1.9	52	0.6	26	0.3
1987	135	266	4.5	1,280	21.4	208	3.5	61	1.0	17	0.3
MIDWEST											
1978	230	374	2.7	1,143	8.4	105	0.8	134	1.0	*	*
1981	252	695	5.2	1,237	11.6	112	1.3	122	1.4	*	*
1984	205	790	6.5	1,621	13.4	163	1.3	113	0.9	170	1.4
1985	199	517	6.0	978	11.3	75	0.9	67	0.8	34	0.4
1987	181	505	6.2	1,148	14.0	147	1.8	76	0.9	55	0.7
SOUTH											
1978	483	971	4.7	3,322	16.1	703	3.4	201	1.0	*	*
1981	468	995	5.9	3,401	18.5	654	4.8	195	1.5	*	*
1984	408	1,139	5.7	3,821	19.3	752	3.8	125	0.6	140	0.7
1985	368	757	5.3	3,162	21.9	682	4.7	75	0.5	194	1.3
1987	314	726	6.0	3,001	24.7	556	4.6	73	0.6	65	0.5
WEST											
1978	176	574	7.8	555	7.5	596	8.1	332	4.5	*	*
1981	174	651	11.5	754	14.3	706	12.9	370	6.7	*	*
1984	133	723	11.5	599	9.5	615	9.8	224	3.6	163	2.6
1985	125	380	9.2	460	11.2	412	1.0	185	4.5	85	2.1
1987	106	385	8.9	489	11.9	359	8.8	250	6.1	87	2.1

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

* "American Indian/Oriental" was one category before 1984.

TUITION AND FEES

Tuition and Fees (Table PN-23)

- Of the total of 1,068 LPN/LVN programs, 728 reported data on tuition and fees—approximately 68 percent of the total. Of those programs reporting this data, 43 percent come from the South, 26 percent from the Midwest, 17 percent from the North Atlantic, and 15 percent from the West.

- The average annual tuition for publicly funded LPN/LVN programs was $1,252. Privately funded programs reported a higher average tuition of $2,521.

- The average tuitions for publicly funded programs were lowest in the West, followed by the Southern, Midwestern, and North Atlantic regions. The tuitions in privately funded programs were highest in the West, followed by the North Atlantic, Midwestern, and Southern regions.

Table PN-23

MEAN[1] ANNUAL TUITIONS OF FULL-TIME STUDENTS IN PUBLIC OR PRIVATE LPN/LVN PROGRAMS, BY NLN REGION AND STATE: 1987-88[2]

NLN REGION AND STATE	NUMBER OF PROGRAMS		ANNUAL TUITION	
	Public	Private	Public[3]	Private
United States	**669**	**59**	**$1,252**	**$2,521**
North Atlantic	97	23	2,164	2,606
Midwest	177	11	1,730	2,222
South	293	20	854	1,509
West	102	5	672	6,720
Alabama	13	—	815	—
Alaska	—	—	—	—
Arizona	7	—	1,170	—
Arkansas	21	1	385	250
California	29	5	182	6,720
Colorado	10	—	1,216	—
Connecticut	1	—	800	—
Delaware	1	—	1,006	—
District of Columbia	—	—	—	—
Florida	24	2	397	875
Georgia	22	2	465	2,617
Hawaii	4	—	547	—
Idaho	5	—	921	—
Illinois	19	2	1,103	1,950
Indiana	16	—	2,093	—
Iowa	16	—	1,209	—
Kansas	14	—	806	—
Kentucky	11	2	202	3,980
Louisiana	24	—	131	—
Maine	4	—	1,069	—
Maryland	7	1	1,722	1,800
Massachusetts	12	3	828	2,403
Michigan	19	1	1,458	3,500
Minnesota	23	1	1,665	700
Mississippi	6	—	692	—
Missouri	24	2	1,856	2,962
Montana	5	—	765	—
Nebraska	6	—	946	—
Nevada	2	—	1,180	—
New Hampshire	—	1	—	2,131
New Jersey	13	3	757	1,833
New Mexico	4	—	474	—
New York	31	7	2,492	2,996
North Carolina	19	—	809	—
North Dakota	2	—	1,193	—
Ohio	33	5	2,870	2,085
Oklahoma	18	—	682	—
Oregon	9	—	789	—
Pennsylvania	32	9	3,103	2,682
Rhode Island	—	—	3,795	—
South Carolina	13	1	583	500
South Dakota	1	—	1,485	—
Tennessee	13	2	268	1,500
Texas	60	6	2,078	760
Utah	5	—	1,061	—
Vermont	3	—	2,500	—
Virginia	30	2	630	2,350
Washington	17	—	726	—
West Virginia	12	1	650	425
Wisconsin	4	—	1,589	—
Wyoming	5	—	661	—
American Samoa	—	—	—	—
Guam	—	—	—	—
Puerto Rico	1	4	3,795	2,661
Virgin Islands	—	—	—	—

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[1] The mean is the sum of the observations divided by the number of observations. These reported means of tuitions may be slightly higher than the medians reported in past years.

[2] National and regional tables exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[3] Data on tuitions exclude students who are non-residents of the state and/or county where the school is located.

PN FACULTY

SUMMARY AND RESULTS OF LPN/LVN NURSE FACULTY CENSUS

The faculty census is sent to all practical and vocational nursing programs every two years.

Population

In January 1988, the LPN/LVN faculty census was mailed to 1,082 programs, a decrease of 13.1 percent from 1986. Since 1984, there has been an 18.3 percent decrease in the number of LPN/LVN programs in the United States and territories. Eight hundred and sixty-eight programs responded in 1988 for an 80.2 percent response rate. In comparing the data, the low response rate (60.8 percent) in 1986 needs to be considered.

Number of Faculty

The estimated number of full-time faculty was 12 percent lower than in 1986. There was a 9 percent decrease in part-time faculty and a considerable increase in unfilled faculty positions although the actual number was lower than in prior years with the exception of 1986.

Credentials of Faculty and Administrators

There has been a stabilization of the percentage of administrators and full-time faculty with graduate degrees (59.6 and 33.4 percent, respectively). Only 2 percent of administrators and 18 percent of full-time faculty do not have a minimum of a baccalaureate degree as their highest credential. Twenty-five percent of full-time faculty do not have at least a baccalaureate degree, while nearly 21 percent of part-time faculty have a graduate degree.

Characteristics of Faculty and Administrators

Individuals of black ethnic background are the largest minority group in LPN/LVN programs. Overall, they make up 6.6 percent of administrators, 9.0 percent of full-time faculty, and 8.8 percent of part-time faculty. In the Southern region percentages tend to be higher, with 8.5 percent of administrators, 12.0 percent of full-time faculty, and 27.3 percent of part-time faculty reported as being from a black (non-hispanic) background.

As a whole, minority groups represent 11 percent of administrators, 12.3 percent of full-time faculty, and 11.6 percent of part-time faculty. In the Southern region, 15.6 percent of full-time faculty and 29.8 percent of part-time faculty are from minority groups.

Men make up only 1.8 percent of full-time and 3.0 percent of part-time LPN/LVN faculty.

Faculty Workload

The largest proportion of faculty time is spent on clinical teaching with a mean of 17.3 hours followed by classroom teaching with a mean of 9.2 hours. There was considerable variation in the number of teaching hours expected of faculty in LPN/LVN programs. The average faculty member has 26 students in the classroom and 11 students in the clinical area.

Faculty and Administrator Salaries

Salaries tend to be higher for administrators and faculty in the public sector. There is considerable variation in the salaries of LPN/LVN administrators and faculty with no consistent patterns by region or by academic credential. LPN/LVN programs tend to be located in a variety of institutional settings, such as community and junior colleges, vocational/technical schools, hospitals, and secondary schools. The variations in salary reflect the differences in salary scales among and within these institutions, combined with the longevity of faculty and local competitive forces such as RN salaries.

Summary

The data collected in the 1988 LPN/LVN faculty survey show evidence of a decrease in the number of programs and faculty. Since 1986, faculty workload has decreased slightly and the academic credentials of the faculty are about the same.

NUMBER OF FACULTY AND UNFILLED POSITIONS

Number of Nurse Faculty, 1968-1988 (Table PNF-1)

- The PN faculty census is conducted every two years as part of the NLN faculty census.
- In 1988 there was a 13 percent decrease in the total number of state-approved LPN/LVN programs. After rapid growth in the number of programs from 1964 to 1970, the change leveled off, with increases and decreases remaining within 3 percent from 1972-84. The 13 percent decrease in the 1986-88 biennium was the greatest decrease in 22 years.
- In 1986, the percentage of programs responding to the questionnaire (60.8%) was the lowest ever. However, in 1988 an 80.2 percent return was obtained.
- Estimates of total numbers of faculty were based on an extrapolation of the data to a 100 percent return rate. This extrapolation was based on the assumption that the nonrespondents, in general, have the same proportion of full-time and part-time faculty and unfilled positions as do the responding programs.
- The estimated total number of faculty is a full-time equivalent (FTE), which is obtained by adding one-half the estimated number of part-time faculty to the estimated number of full-time faculty.
- In 1988, the estimated total number of faculty decreased by 11.9 percent. The estimated total number of full-time faculty decreased by 16.5 percent, part-time faculty decreased by 8 percent, and the number of unfilled positions increased by 44.1 percent.
- There was an average of 3.6 full-time faculty members per responding program in 1988, which is the same as in the 1986 data.

Table PNF-1

NUMBER OF FULL-TIME AND PART-TIME NURSE FACULTY IN LPN/LVN PROGRAMS: 1968 TO 1988

YEAR [2]	REPORTING SCHOOLS [1]					TOTAL SCHOOLS (ESTIMATED)				
	Number of Programs Reporting	Percentage of Total Schools	Full-Time Faculty	Part-Time Faculty	Unfilled Budgeted Positions	Total Number of Schools	Total Nurse Faculty	Full-Time Faculty	Part-Time Faculty	Unfilled Budgeted Positions
1968										
Number	948	82.5	3,257	765	159	1,149	4,403	3,940	926	199
Percentage change	+30.6	+6.6	+27.9	+25.2	+82.2	+20.1	+17.1	+17.4	+14.9	+53.1
1970										
Number	1,194	95.4	3,844	757	159	1,252	4,428	4,031	794	167
Percentage change	+25.9	+12.9	+18.0	−1.0	+0.0	+9.0	+0.6	+2.3	−14.2	−16.1
1972										
Number	1,201	93.0	4,271	990	139	1,291	5,123	4,591	1,064	150
Percentage change	+0.6	−2.4	+11.1	+30.8	−12.6	+3.1	+15.7	+13.9	+34.0	−10.2
1974										
Number	1,277	97.8	4,656	1,167	142	1,306	5,359	4,762	1,193	145
Percentage change	+6.3	+4.8	+9.0	+17.9	+2.2	+1.2	+4.6	+3.7	+12.1	−3.3
1976										
Number	1,204	95.0	4,793	1,100	117	1,267	5,624	5,045	1,158	123
Percentage change	−5.6	−2.8	+2.9	−5.7	−17.6	−3.0	+4.9	+5.9	−2.9	−15.2
1978										
Number	1,140	90.0	4,524	1,149	89	1,266	5,662	5,024	1,276	99
Percentage change	−5.3	−5.0	−5.6	+4.4	−23.9	−0.1	+0.7	−0.4	+10.2	−19.5
1980										
Number	1,116	88.9	4,227	1,238	92	1,256	5,449	4,753	1,392	103
Percentage change	−2.1	−1.1	−6.6	+7.7	+3.4	−0.9	−3.8	−5.4	+9.1	+4.0
1982										
Number	1,045	81.0	4,161	1,303	111	1,290	5,941	5,137	1,608	137
Percentage change	−6.4	−7.9	−1.6	+5.3	+20.7	+2.8	+9.0	+8.1	+15.5	+33.0
1984										
Number	1,075	81.4	4,333	1,494	83	1,325	6,239	5,321	1,835	102
Percentage change	+2.9	+0.4	+4.1	+14.7	−25.2	+2.7	+5.0	+3.6	+14.1	−25.5
1986										
Number	757	60.8	2,700	1,030	36	1,245	5,288	4,441	1,694	59
Percentage change	−29.6	−20.6	−37.7	−31.3	−56.6	−6.0	−15.3	−16.5	−8.0	−42.2
1988										
Number	868	80.2	3,120	1,234	68	1,082	4,660	3,890	1,539	85
Percentage change	+14.7	+19.4	+15.6	+19.8	+88.9	−13.1	−11.9	−12.4	−9.1	+44.1

[1] Directors of schools not included. Includes Puerto Rico.

[2] As of January of each year.

Full-Time and Part-Time Faculty and Unfilled Position by State (Table PNF-2)

- Of all the states, Texas, New York, and California have the most LPN/LVN programs and the most full-time LPN/LVN faculty.

- The states with the highest average (mean) number of full-time faculty per program are Delaware, Michigan, Nebraska, Rhode Island, and Wisconsin.

- The states with the highest average (mean) number of part-time faculty per program are Colorado, District of Columbia, Nevada, and New Hampshire.

- The programs in 24 states and territories reported that they had no unfilled budgeted positions.

- The number of reported unfilled positions increased since 1984 to 68, about one position for every 13 programs. In contrast, in 1984 there was one reported unfilled position for every 21 programs.

- The number of reported unfilled positions was highest in the Southern region (43% of the positions) and lowest in the Midwestern region (12% of total reported positions).

Table PNF-2

FULL-TIME AND PART-TIME NURSE FACULTY AND UNFILLED BUDGETED POSITIONS IN LPN/LVN PROGRAMS, BY STATE, 1988

STATE	TOTAL NUMBER OF PROGRAMS	NUMBER OF PROGRAMS RESPONDING	NURSE FACULTY		
			Full-Time	Part-Time	Unfilled Budgeted Positions
Alabama	22	15	55	20	0
Alaska	0	0	0	0	0
Arizona	9	7	28	23	0
Arkansas	29	21	36	12	1
California	77	61	219	131	5
Colorado	14	11	41	56	3
Connecticut	8	8	37	2	3
Delaware	3	3	17	6	1
District of Columbia	2	2	6	10	0
Florida	34	29	139	34	1
Georgia	42	31	89	4	1
Hawaii	4	4	13	2	1
Idaho	6	4	11	2	0
Illinois	33	24	110	50	1
Indiana	16	13	50	23	1
Iowa	25	18	64	63	0
Kansas	16	16	64	19	2
Kentucky	17	16	66	9	1
Louisiana	35	27	78	5	6
Maine	5	5	23	3	0
Maryland	14	13	35	11	0
Massachusetts	25	21	81	21	2
Michigan	27	22	116	74	1
Minnesota	26	25	64	68	0
Mississippi	12	10	34	4	0
Missouri	31	26	89	22	0
Montana	5	4	11	3	0
Nebraska	8	8	42	21	0
Nevada	4	2	5	18	1
New Hampshire	4	2	3	9	0
New Jersey	30	20	91	27	3
New Mexico	7	6	22	7	2
New York	62	53	201	135	5
North Carolina	24	19	41	21	2
North Dakota	3	1	4	0	1
Ohio	41	37	118	73	1
Oklahoma	25	18	46	9	6
Oregon	11	9	42	21	3
Pennsylvania	50	47	148	60	1
Rhode Island	1	1	24	0	0
South Carolina	18	17	45	8	0
South Dakota	1	1	1	2	0
Tennessee	20	18	60	7	0
Texas	103	72	319	37	7
Utah	6	5	13	12	0
Vermont	3	3	8	2	1
Virginia	49	40	117	18	2
Washington	22	19	93	37	0
West Virginia	18	16	39	10	1
Wisconsin	9	5	26	3	1
Wyoming	6	5	11	11	0
American Samoa	0	0	0	0	0
Guam	0	0	0	0	0
Puerto Rico	20	8	25	9	1
Virgin Islands	0	0	0	0	0
Total	1,082	868	3,120	1,234	68

Non-Nurse Faculty (Table PNF-3)

- Non-nurse faculty make up 1.7 percent of all full-time faculty and 12.0 percent of all part-time faculty in LPN/LVN programs.
- The Western region has the greatest percentage of full-time non-nurse faculty (2.8%), and the Southern region has the largest percentage (19.6%) of part-time non-nurse faculty.
- The Southern region has the lowest percent of full-time non-nurse faculty (2.8%) and the Western region has the lowest percent of part-time non-nurse faculty (9.3%).

Table PNF-3

NUMBER AND PERCENT OF NURSE AND NON-NURSE FACULTY IN LPN/LVN PROGRAMS, BY NLN REGION, 1988

NLN REGION [1]	FULL-TIME FACULTY						PART-TIME FACULTY					
	Total		Nurse		Non-Nurse		Total		Nurse		Non-Nurse	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Regions	**3,034**	**100.0**	**2,982**	**98.3**	**53**	**1.7**	**1,430**	**100.0**	**1,258**	**88.0**	**172**	**12.0**
North Atlantic	647	100.0	634	98.0	13	2.0	296	100.0	276	93.2	20	6.8
Midwestern	762	100.0	742	97.4	20	2.6	505	100.0	428	84.8	77	15.2
Southern	1,129	100.0	1,109	98.2	20	1.8	260	100.0	209	80.4	51	19.6
Western	512	100.0	497	97.1	15	2.9	369	100.0	345	93.5	24	6.5

[1] Includes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

HIGHEST EARNED CREDENTIALS

Credentials of Administrators (Table PNF-4)

- The percentage of administrators in LPN/LVN programs with graduate degrees was 59.6 percent in 1988. This total includes 5.5 percent with a doctoral degree and 54.1 percent with a master's degree. The data in 1986 were affected by an unusually low response rate.
- The percentage of administrators without at least a baccalaureate degree has decreased to 2.3 percent.

Table PNF-4
HIGHEST EARNED CREDENTIAL OF ADMINISTRATORS IN LPN/LVN PROGRAMS: 1968 TO 1988

YEAR [1]	TOTAL ADMINISTRATORS REPORTED [2]		HIGHEST EARNED CREDENTIAL							
			Doctorate		Master's		Baccalaureate		Other	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1968	879	100.0	2	0.2	261	29.7	424	48.2	192	21.9
1970	972	100.0	3	0.3	317	32.6	445	45.8	207	21.3
1972	1,097	100.0	6	0.5	345	31.5	478	43.6	268	24.4
1974	1,085	100.0	12	1.1	387	35.7	459	42.3	227	20.9
1976	1,101	100.0	20	1.8	442	40.2	422	38.3	217	19.7
1978	1,073	100.0	21	2.0	459	42.8	420	39.1	173	16.1
1980	1,041	100.0	16	1.5	467	44.9	414	39.8	144	13.8
1982	991	100.0	32	3.2	491	49.6	350	35.3	118	11.9
1984	962	100.0	38	4.0	506	52.6	304	31.6	114	11.9
1986	734	100.0	40	5.4	413	56.3	216	29.4	65	8.9
1988	857	100.0	47	5.5	464	54.1	326	38.0	20	2.3

[1] As of January of each year.
[2] Includes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Credentials of Full-Time Faculty (Table PNF-5)

- There has been a continued increase in the percentage of full-time faculty in LPN/LVN schools with a graduate degree as their highest credential, reaching 33 percent in 1988.
- The percentage of faculty with the baccalaureate as their highest degree decreased somewhat to 48 percent.
- The percentage of faculty with other credentials is decreasing. They now total about 18 percent of all LPN/LVN faculty.

Table PNF-5

HIGHEST EARNED CREDENTIAL OF FULL-TIME NURSE FACULTY OF LPN/LVN PROGRAMS: 1968-1988

YEAR[1]	TOTAL FULL-TIME FACULTY REPORTED[2]		HIGHEST EARNED CREDENTIAL							
			Doctorate		Master's		Baccalaureate		Other	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1968	3,257	100.0	0	0.0	294	9.0	1,385	42.5	1,578	48.5
1970	3,844	100.0	0	0.0	250	6.5	1,622	42.2	1,972	51.3
1972	4,271	100.0	3	0.1	332	7.8	1,794	42.0	2,142	50.1
1974	4,656	100.0	3	0.1	439	9.4	2,029	43.6	2,185	46.9
1976	4,793	100.0	5	0.1	559	11.7	2,174	45.4	2,055	42.8
1978	4,524	100.0	2	0.0	764	16.9	2,175	48.1	1,583	35.0
1980	4,227	100.0	5	0.1	763	18.1	2,096	49.6	1,363	32.2
1982	4,161	100.0	10	0.3	870	20.9	2,131	51.2	1,150	27.6
1984	4,250	100.0	21	0.5	1,033	24.3	2,164	50.9	1,031	24.2
1986	2,740	100.0	11	0.4	793	28.9	1,355	49.5	581	21.2
1988	3,120	100.0	17	0.5	1,027	32.9	1,503	48.2	573	18.4

[1] As of January of each year

[2] Includes Puerto Rico

Credentials of Part-Time Faculty (Table PNF-6)

- Since 1966, there has been a continued increase in the number of part-time faculty in LPN/LVN programs with a master's degree, from 9 percent to almost 20 percent. The percentage of part-time faculty with doctoral degrees remains less than 1 percent.
- The percentage of part-time faculty with less than a baccalaureate as highest earned credential remains fairly stable at about 25 percent.
- For the last ten years the majority of LPN/LVN faculty have had a baccalaureate as their highest credential.

Table PNF-6

HIGHEST EARNED CREDENTIAL OF PART-TIME NURSE FACULTY OF LPN/LVN PROGRAMS: 1968-1988

YEAR[1]	TOTAL PART-TIME FACULTY REPORTED[2]		HIGHEST EARNED CREDENTIAL							
			Doctorate		Master's		Baccalaureate		Other	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1968	765	100.0	1	0.1	71	9.3	310	40.5	383	50.1
1970	757	100.0	2	0.3	44	5.8	296	39.1	415	61.8
1972	990	100.0	6	0.6	74	7.5	392	39.6	518	52.3
1974	1,167	100.0	3	0.3	99	8.5	467	40.0	598	51.2
1976	1,100	100.0	1	0.1	108	9.8	478	43.5	513	46.6
1978	1,149	100.0	3	0.3	145	12.6	540	47.0	461	40.1
1980	1,238	100.0	0	0.0	127	10.3	642	52.8	469	37.9
1982	1,303	100.0	5	0.4	141	10.8	710	54.5	447	34.3
1984	1,471	100.0	4	0.3	257	17.5	760	51.7	451	30.6
1986	1,030	100.0	7	0.7	200	19.4	528	51.3	295	28.6
1988	1,234	100.0	7	0.6	245	19.9	680	55.1	302	24.5

[1] As of January of each year.

[2] Includes Puerto Rico.

Credentials of Full-Time Faculty by NLN Region (Table PNF-7)

- The West has the highest percentage of full-time LPN/LVN faculty with graduate degrees (56.4%).
- The South has the lowest percentage of faculty prepared at the graduate level—24.8 percent.
- For the North Atlantic and the Midwest, the percentages of faculty with graduate education were 32.4 percent and 32.9 percent, respectively.
- The Southern region has the highest percentage of faculty who do not have at least a baccalaureate degree (27.9%).
- The West has the smallest percentage of faculty not prepared at least at the baccalaureate level (5.7%).

Table PNF-7

HIGHEST EARNED CREDENTIAL OF FULL-TIME NURSE FACULTY OF LPN/LVN PROGRAMS, BY NLN REGION: 1974-1988

YEAR[1] BY NLN REGION	TOTAL FULL-TIME FACULTY[2] REPORTED		HIGHEST EARNED CREDENTIAL							
			Doctorate		Master's		Baccalaureate		Other	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
North Atlantic										
1974	1.126	100.0	1	0.1	164	14.6	617	54.8	344	30.5
1976	1.107	100.0	2	0.2	170	15.3	622	56.2	313	28.3
1978	908	100.0	1	0.1	158	17.4	528	58.2	221	24.3
1980	847	100.0	1	0.1	179	21.2	493	58.2	174	20.5
1982	781	100.0	1	0.1	184	23.6	467	59.8	129	16.5
1984	811	100.0	5	0.6	204	25.2	476	58.7	126	15.6
1986	606	100.0	1	0.2	188	31.0	340	56.1	77	12.7
1988	639	100.0	0	0.0	207	32.4	351	54.9	81	12.7
Midwestern										
1974	1.197	100.0	1	0.1	83	6.9	513	42.8	600	50.2
1976	1,263	100.0	1	0.1	108	8.5	588	46.6	566	44.8
1978	1,186	100.0	1	0.1	151	12.7	599	50.5	435	36.7
1980	1,172	100.0	1	0.1	172	14.7	656	56.0	343	29.2
1982	1,133	100.0	2	0.2	199	17.6	638	56.3	294	25.9
1984	1,169	100.0	5	0.4	288	24.6	630	53.9	246	21.0
1986	710	100.0	3	0.4	210	29.6	364	51.3	133	18.8
1988	748	100.0	5	0.7	241	32.2	380	50.8	122	16.3
Southern										
1974	1,610	100.0	1	0.1	49	3.0	514	31.9	1,046	65.0
1976	1,677	100.0	2	0.1	91	5.4	571	34.0	1,013	60.5
1978	1,615	100.0	0	0.0	154	9.5	659	40.8	802	49.7
1980	1,566	100.0	1	0.1	182	11.6	634	40.5	749	47.8
1982	1,619	100.0	1	0.1	229	14.1	741	45.8	648	40.0
1984	1,658	100.0	9	0.5	274	16.5	788	47.5	586	35.3
1986	892	100.0	1	0.1	152	17.0	451	50.6	288	32.3
1988	1,224	100.0	5	0.4	299	24.4	579	47.3	341	27.9
Western										
1974	715	100.0	0	0.0	136	19.0	384	53.7	195	27.3
1976	746	100.0	0	0.0	190	25.5	393	52.7	163	21.8
1978	815	100.0	0	0.0	301	36.9	389	47.8	125	15.3
1980	642	100.0	2	0.3	230	35.8	313	48.8	97	15.1
1982	628	100.0	6	1.0	258	41.1	285	45.4	79	12.5
1984	612	100.0	2	0.3	267	43.6	270	44.1	73	11.9
1986	482	100.0	6	1.2	243	50.4	200	41.5	33	6.8
1988	509	100.0	7	1.4	280	55.0	193	37.9	29	5.7

[1] As of January of each year.

[2] Includes Puerto Rico.

Credentials of Part-Time Faculty by NLN Region (Table PNF-8)

- The Western region has the highest percentage of part-time faculty with graduate preparation (31.5%), and the Midwest has the lowest (12.9%).

- For the North Atlantic and the Southern region, the percentage of part-time faculty with graduate education was 20 percent and 18.8 percent, respectively.

- In all regions, the largest group of part-time faculty had a baccalaureate degree as the highest earned credential. The percentages range from 49.1 percent in the Midwest to 58.8 percent in the Western region.

- The West has only 9.6 percent of part-time faculty who are not prepared at least at the baccalaureate level. All other regions have about 30 percent of part-time faculty with less than a baccalaureate credential.

Table PNF-8

HIGHEST EARNED CREDENTIAL OF PART-TIME NURSE FACULTY OF LPN/LVN PROGRAMS, BY NLN REGION: 1974 TO 1988

YEAR[1]	TOTAL PART-TIME FACULTY REPORTED[2]		HIGHEST EARNED CREDENTIAL							
			Doctorate		Master's		Baccalaureate		Other	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
North Atlantic										
1974	282	100.0	2	0.7	28	9.9	129	45.7	123	43.7
1976	296	100.0	1	0.3	32	10.8	135	45.6	128	43.3
1978	303	100.0	1	0.3	35	11.6	139	45.9	128	42.2
1980	290	100.0	0	0.0	37	12.8	146	50.3	107	36.9
1982	307	100.0	1	0.3	36	11.7	165	53.8	105	34.2
1984	374	100.0	2	0.5	64	17.1	201	53.7	102	28.4
1986	269	100.0	1	0.4	50	18.6	147	54.6	71	26.4
1988	275	100.0	1	0.4	54	19.6	145	52.7	75	27.3
Midwestern										
1974	407	100.0	0	0.0	16	3.9	156	38.3	235	57.8
1976	429	100.0	0	0.0	23	5.4	168	39.2	238	55.4
1978	406	100.0	1	0.2	32	7.9	178	43.8	195	48.1
1980	468	100.0	0	0.0	22	4.7	249	53.2	197	42.1
1982	476	100.0	1	0.2	30	6.3	263	55.3	182	38.2
1984	509	100.0	0	0.0	61	12.0	240	47.2	208	40.9
1986	290	100.0	1	0.3	53	18.3	144	49.7	92	31.7
1988	418	100.0	0	0.0	54	12.9	238	56.9	126	30.1
Southern										
1974	250	100.0	0	0.0	21	8.4	76	30.4	153	61.2
1976	172	100.0	0	0.0	14	8.1	65	37.8	93	54.1
1978	192	100.0	0	0.0	21	10.9	87	45.3	84	43.8
1980	243	100.0	0	0.0	24	9.9	101	41.6	118	48.5
1982	247	100.0	0	0.0	34	13.8	122	49.4	91	36.8
1984	288	100.0	0	0.0	42	14.6	156	54.2	90	31.3
1986	172	100.0	0	0.0	24	14.0	91	52.9	57	33.1
1988	218	100.0	2	0.9	39	17.9	107	49.1	70	32.1
Western										
1974	226	100.0	1	0.4	33	14.6	105	46.5	87	38.5
1976	203	100.0	0	0.0	39	19.2	110	54.2	54	26.6
1978	248	100.0	1	0.4	57	23.0	136	54.8	54	21.8
1980	237	100.0	0	0.0	44	18.6	146	61.6	47	19.8
1982	273	100.0	3	1.1	41	15.0	160	58.6	69	25.3
1984	300	100.0	2	0.7	90	30.0	163	54.3	47	15.7
1986	243	100.0	5	2.1	73	30.0	146	60.1	34	7.0
1988	323	100.0	4	1.2	98	30.3	190	58.8	31	9.6

[1] As of January of each year.

[2] Includes Puerto Rico.

Full-Time Master's and Baccalaureate Faculty with Nursing and Non-Nursing Degrees (Table PNF-9)

- This table presents the number and percentage of full-time LPN/LVN faculty prepared with a master's or baccalaureate degree who obtained their highest credential with a major in nursing. The data show that 46 percent of master's prepared and 74 percent of baccalaureate-prepared full-time LPN/LVN faculty have their degree in nursing.
- The West had the highest percentage (69%) of master's prepared full-time faculty with a nursing degree. The Midwest had the lowest percentage at 34 percent.
- The West also had the highest percentage of baccalaureate-prepared faculty with a degree in nursing (83%). The North Atlantic region had the lowest (69%).

Table PNF-9

NUMBER OF FULL-TIME LPN/LVN FACULTY BY TYPE OF DEGREE AND NLN REGION, 1988

NLN REGION[1]	MASTER'S DEGREE						BACCALAUREATE					
	Total[2]		Nursing Major		Non-Nursing Major		Total[2]		Nursing Major		Non-Nursing Major	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Regions	**1,027**	**100.0**	**469**	**45.7**	**558**	**54.3**	**1,503**	**100.0**	**1,115**	**74.2**	**388**	**25.8**
North Atlantic	207	100.0	80	38.6	127	61.3	351	100.0	242	68.9	109	31.1
Midwestern	241	100.0	82	34.0	159	66.0	380	100.0	291	76.6	89	23.4
Southern	299	100.0	115	38.5	184	61.5	579	100.0	421	72.7	158	27.2
Western	280	100.0	192	68.6	88	31.4	193	100.0	161	83.4	32	16.6

[1] As of January of each year.

[2] Includes Puerto Rico.

Part-Time Master's and Baccalaureate-Prepared Faculty with Nursing and Non-Nursing Degrees (Table PNF-10)

- Table PNF-10 presents the number and percentage of part-time LPN/LVN faculty prepared with a master's or baccalaureate degree whose highest credential was in nursing.
- According to the questionnaire responses, 64 percent of part-time faculty with a master's degree and 84 percent with a baccalaureate degree obtained their degrees in nursing.
- The Western and North Atlantic regions had the highest percentages of master's prepared faculty with a nursing major—68 percent. The Midwest had the lowest percentage (52%).
- The four regions had approximately the same percentages of baccalaureate-prepared part-time faculty with a nursing major, ranging from 79 to 89 percent.

Table PNF-10

NUMBER OF PART-TIME LPN/LVN FACULTY BY TYPE OF DEGREE AND NLN REGION, 1988

NLN REGION[1]	MASTER'S DEGREE						BACCALAUREATE					
	Total[2]		Nursing Major		Non-Nursing Major		Total[2]		Nursing Major		Non-Nursing Major	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Regions	**245**	**100.0**	**157**	**64.1**	**88**	**35.9**	**680**	**100.0**	**573**	**84.3**	**107**	**15.7**
North Atlantic	54	100.0	36	66.7	18	33.3	145	100.0	115	79.3	30	20.7
Midwestern	54	100.0	28	51.9	26	48.1	238	100.0	202	84.9	36	15.1
Southern	39	100.0	26	66.7	13	33.3	107	100.0	87	81.3	20	18.7
Western	98	100.0	67	68.4	31	31.6	190	100.0	169	88.9	21	11.1

[1] As of January of each year.

[2] Includes Puerto Rico.

Credentials of Faculty by State (Table PNF-11)

- The states in which the majority of full-time LPN/LVN faculty have graduate preparation are Arizona, California, Colorado, Connecticut, Kansas, Nevada, New Mexico, Oregon, Washington, and Wisconsin.
- The states in which the majority of part-time faculty have graduate preparation are Hawaii, Maryland and Montana, as well as the territory of Puerto Rico.

Table PNF-11

HIGHEST EARNED CREDENTIAL OF FULL-TIME AND PART-TIME NURSE FACULTY IN LPN/LPN PROGRAMS, BY STATE, 1988

STATE	TOTAL NUMBER OF PROGRAMS	NUMBER OF PROGRAMS RESPONDING	FULL-TIME NURSE FACULTY					PART-TIME NURSE FACULTY				
			Total	Highest Earned Credential				Total	Highest Earned Credential			
				Doctorate	Master's	Bacca-laureate	Other		Doctorate	Master's	Bacca-laureate	Other
Alabama	22	15	55	0	29	21	5	20	0	6	11	3
Alaska	0	0	0	0	0	0	0	0	0	0	0	0
Arizona	9	7	28	0	19	9	0	23	0	9	14	0
Arkansas	29	21	36	0	4	12	20	12	0	0	1	11
California	77	61	219	1	112	88	18	131	1	41	67	22
Colorado	14	11	41	0	26	15	0	56	0	16	38	2
Connecticut	8	8	37	0	19	18	0	2	0	0	1	1
Delaware	3	3	17	0	8	9	0	6	0	2	4	0
District of Columbia	2	2	6	0	1	1	4	10	0	4	4	2
Florida	34	29	139	0	39	71	29	34	1	8	13	12
Georgia	42	31	89	0	19	33	37	4	0	0	2	2
Hawaii	4	4	13	0	6	7	0	2	0	2	0	0
Idaho	6	4	11	0	3	8	0	2	0	0	2	0
Illinois	33	24	110	0	48	56	6	50	0	13	35	2
Indiana	16	13	50	2	15	33	0	23	0	3	20	0
Iowa	25	18	64	0	13	42	9	63	0	3	27	33
Kansas	16	16	64	0	43	20	1	19	0	8	11	0
Kentucky	17	16	66	0	3	47	16	9	0	1	4	4
Louisiana	35	27	78	1	10	37	30	5	0	1	4	0
Maine	5	5	23	0	4	9	10	3	0	0	3	0
Maryland	14	13	35	0	15	19	1	11	0	6	5	0
Massachusetts	25	21	81	0	36	45	0	21	0	6	15	0
Michigan	27	22	116	0	54	46	16	74	0	9	51	14
Minnesota	26	25	64	0	12	36	16	68	0	6	32	30
Mississippi	12	10	34	0	1	17	16	4	0	0	0	4
Missouri	31	26	89	3	8	45	33	22	0	1	11	10
Montana	5	4	11	0	3	8	0	3	0	2	1	0
Nebraska	8	8	42	0	4	31	7	21	0	2	10	9
Nevada	4	2	5	0	3	2	0	18	0	0	18	0
New Hampshire	4	2	3	0	0	3	0	9	0	2	7	0
New Jersey	30	20	91	0	21	52	18	27	0	2	11	14
New Mexico	7	6	22	0	14	7	1	7	0	3	3	1
New York	62	53	201	0	67	103	31	135	1	27	62	45
North Carolina	24	19	41	0	6	32	3	21	0	3	18	0
North Dakota	3	1	4	0	0	4	0	0	0	0	0	0
Ohio	41	37	118	0	26	58	34	73	0	9	38	26
Oklahoma	25	18	46	0	11	19	16	9	0	0	7	2
Oregon	11	9	42	3	34	5	0	21	0	8	13	0
Pennsylvania	50	47	148	0	28	106	14	60	0	11	38	11
Rhode Island	1	1	24	0	22	2	0	0	0	0	0	0
South Carolina	18	17	45	0	7	31	7	8	0	2	6	0
South Dakota	1	1	1	0	0	1	0	2	0	0	0	2
Tennessee	20	18	60	0	7	17	36	7	0	0	2	5
Texas	103	72	319	4	111	141	63	37	0	7	17	13
Utah	6	5	13	1	1	8	3	12	0	2	8	2
Vermont	3	3	8	0	1	3	4	2	0	0	0	2
Virginia	49	40	117	0	27	53	37	18	1	0	9	8
Washington	22	19	93	2	53	31	7	37	3	13	18	3
West Virginia	18	16	39	0	9	12	18	10	0	0	6	4
Wisconsin	9	5	26	0	18	8	0	3	0	0	3	0
Wyoming	6	5	11	0	6	5	0	11	0	2	8	1
American Samoa	0	0	0	0	0	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0	0	0	0	0	0
Puerto Rico	20	8	25	0	1	17	7	9	0	5	2	2
Virgin Islands	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	1,082	868	3,120	17	1,027	1,503	573	1,234	7	245	680	302

FACULTY CHARACTERISTICS

Ethnic Background of Administrators (Table PNF-12)

- Of LPN/LVN programs responding to the survey, 11 percent of the administrators are from an ethnic minority group.
- Compared with other regions, the West has the highest percentage of administrators from an ethnic minority group, while the Midwestern region has the lowest.

Table PNF-12
ETHNIC BACKGROUND OF ADMINISTRATORS IN LPN/LVN PROGRAMS, BY NLN REGION, 1988

NLN REGION[1]	NUMBER OF ADMINISTRATORS		ETHNIC BACKGROUND OF ADMINISTRATORS									
			American Indian or Alaskan Native		Asian or Pacific Islander		Black Non-Hispanic		Hispanic		White Other than Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Regions	**638**	**100.0**	**11**	**1.7**	**11**	**1.7**	**42**	**6.6**	**6**	**0.9**	**568**	**89.0**
North Atlantic	136	100.0	2	1.5	0	0.0	9	6.6	0	0.0	125	91.9
Midwestern	167	100.0	0	0.0	2	1.2	7	4.2	0	0.0	158	94.6
Southern	222	100.0	5	2.3	0	0.0	19	8.6	4	1.8	194	87.4
Western	113	100.0	4	3.5	9	8.0	7	6.2	2	1.8	91	80.5

[1] Excludes Puerto Rico (the other territories have no LPN programs).

Ethnic Background of Faculty (Tables PNF-13 and PNF-14)

- Of all LPN/LVN faculty members, approximately 12 percent of full-time and of part-time faculty are from ethnic minority groups.
- Compared with other regions, the South had the greatest percentages of both full-time and part-time black faculty, with 12 percent full-time and 27 percent part-time black faculty.
- The Midwest had the highest percentage of white, non-Hispanic full-time faculty (94%), and the South had the lowest (71%).
- Asian and Pacific Islanders represented approximately 1 percent of both full-time and part-time LPN/LVN faculty.

Table PNF-13
ETHNIC BACKGROUND OF FULL-TIME FACULTY IN LPN/LVN PROGRAMS, BY NLN REGION, 1988

NLN REGION[1]	NUMBER OF FULL-TIME FACULTY		ETHNIC BACKGROUND OF FULL-TIME FACULTY									
			American Indian or Alaskan Native		Asian or Pacific Islander		Black Non-Hispanic		Hispanic		White Other than Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Regions	**2,982**	**100.0**	**15**	**0.5**	**42**	**1.4**	**268**	**9.0**	**43**	**1.4**	**2,614**	**87.7**
North Atlantic	634	100.0	6	0.9	3	0.5	38	6.0	1	0.2	586	92.4
Midwestern	742	100.0	1	0.1	12	1.6	72	9.7	1	0.1	656	88.4
Southern	1,109	100.0	3	0.3	13	1.2	133	12.0	24	2.2	936	84.4
Western	497	100.0	5	1.0	14	2.8	25	5.0	17	3.4	436	87.7

[1]Excludes Puerto Rico (the other territories have no LPN programs).

Table PNF-14
ETHNIC BACKGROUND OF PART-TIME FACULTY IN LPN/LVN PROGRAMS, BY NLN REGION, 1988

NLN REGION[1]	NUMBER OF PART-TIME FACULTY		ETHNIC BACKGROUND OF PART-TIME FACULTY									
			American Indian or Alaskan Native		Asian or Pacific Islander		Black Non-Hispanic		Hispanic		White Other than Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Regions	**1,258**	**100.0**	**13**	**1.0**	**10**	**0.8**	**111**	**8.8**	**12**	**1.0**	**1,112**	**88.4**
North Atlantic	276	100.0	8	2.9	2	0.7	16	5.8	6	2.2	244	88.4
Midwestern	428	100.0	0	0.0	1	0.2	21	4.9	4	0.9	402	93.9
Southern	209	100.0	1	0.5	1	0.5	57	27.3	2	1.0	148	70.8
Western	345	100.0	4	1.2	6	1.7	17	4.9	0	0.0	318	92.2

[1] Excludes Puerto Rico (the other territories have no LPN programs

Number of Male Faculty (Table PNF-15)

- Men constituted 1.8 percent of all full-time and 3.0 percent of all part-time LPN/LVN faculty.
- For both full-time and part-time faculty, the highest percentages of male faculty were in the West (4.4% and 16.1%, respectively).
- For full-time faculty, the highest percentage of male faculty was in the Western region (3.6%), and for part-time faculty the highest percentage of male faculty was in the Southern region.

Table PNF-15

NUMBER OF FULL-TIME AND PART-TIME MALE FACULTY IN LPN/LVN PROGRAMS, BY NLN REGION, 1988

NLN REGION[1]	FULL-TIME FACULTY				PART-TIME FACULTY			
	Total		Male Faculty		Total		Male Faculty	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Regions	**2,882**	**100.0**	**55**	**1.8**	**1,258**	**100.0**	**38**	**3.0**
North Atlantic	534	100.0	3	0.5	276	100.0	5	1.8
Midwestern	742	100.0	6	0.8	428	100.0	13	3.0
Southern	1,109	100.0	28	2.5	209	100.0	10	4.8
Western	497	100.0	18	3.6	345	100.0	10	2.9

[1] Includes Puerto Rico.

FACULTY WORKLOAD

Faculty Workload—Number of Hours per Week (Table PNF-16)

- Each week LPN/LVN faculty spend approximately 9 hours in classroom and 17 hours in clinical teaching. An additional 11 hours are spent each week in advisement and counseling, preparation, and committee work.
- Faculty in the South reported the greatest number of hours spent in classroom teaching per week—a mean of 10.2 hours. Faculty in the West reported the least time in classroom teaching—a mean of 7.0 hours per week.
- Faculty in the Southern region spent an average of approximately 18.5 hours a week in clinical teaching—the highest regional mean. Faculty in the other regions had lower regional means for clinical teaching (16.3 to 16.7).
- After classroom and clinical teaching, faculty spent the most time in preparation (mean of 6 hours per week).

Table PNF-16

NUMBER OF HOURS PER WEEK FOR A TYPICAL FACULTY MEMBER IN LPN/LVN PROGRAMS, BY FACULTY ACTIVITY AND BY NLN REGION, 1988

FACULTY ACTIVITY	ALL REGIONS			NORTH ATLANTIC REGION		MIDWESTERN REGION		SOUTHERN REGION		WESTERN REGION	
	Mean	Standard Deviation	Range	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation
Classroom Teaching	9.2	5.3	1-28	9.2	6.4	9.0	3.9	10.2	5.8	7.0	3.6
Clinical Teaching	17.3	6.1	2-28	16.3	6.3	16.4	3.9	18.5	7.6	16.7	3.9
Advisement/Counseling	2.8	4.1	0-15	2.1	1.7	2.8	1.6	2.7	5.5	3.6	4.0
Preparation	6.5	6.0	1-20	5.4	5.1	7.3	4.3	6.9	6.5	6.9	5.0
Committee Activities	2.1	2.1	0-15	1.9	2.5	2.1	1.6	2.0	2.8	2.3	2.3

Includes Puerto Rico.

Faculty Workload—Number of Students (Table PNF-17)

- The average LPN/LVN faculty member saw 25.5 students in the classroom, and 11.2 students in the clinical area.
- The South had a slightly higher number of students in the classroom, with a mean of 27.6 students and a standard deviation of 9.6.
- The lowest number of students in the classroom was reported in the South—a mean of 23.7 students per week.
- The mean number of students in the clinical area ranged across regions from 9.8 to 12.4 students per faculty member.

Table PNF-17

NUMBER OF STUDENTS IN CLASSROOM AND CLINICAL TEACHING FOR A TYPICAL FACULTY MEMBER IN LPN/LVN PROGRAMS, BY NLN REGION, 1988

FACULTY ACTIVITY	ALL REGIONS			NORTH ATLANTIC REGION		MIDWESTERN REGION		SOUTHERN REGION		WESTERN REGION	
	Mean	Standard Deviation	Range	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation
Classroom Teaching	25.5	11.4	2-90	26.4	14.4	27.6	9.6	23.7	10.1	26.5	13.0
Clinical Teaching	11.2	5.2	1-60	10.4	5.1	9.8	3.9	12.4	6.3	10.7	3.4

Includes Puerto Rico.

SALARIES IN LPN/LVN EDUCATION

- This section presents information about the salaries of administrators and full-time faculty in LPN/LVN education programs. Salaries are presented according to highest earned credential, NLN region, and type of institutional support.

- *Data Collection:* Each program was asked to provide the following information for the 1987-88 academic year: (a) number of full-time faculty per academic year and calendar year, (b) total salary by position and highest credential.

- *Academic Year versus Calendar Year:* These salary tables present separate data for calendar year and academic year salaries. Patterns of faculty appointment vary greatly among schools. Academic year appointments are usually made for 9 to 10 months. Appointments for a calendar year are usually for 11 months (with one month vacation per year).

- LPN/LVN programs are located in a variety of types of organizations. The salaries of LPN/LVN administrators and faculty reflect the salary scale of the parent organization, which may be a four-year college, two-year community or junior college, hospital, adult vocational program, or secondary school. Moreover, each of these organizational types may have either public or private financial support.

Salaries in LPN/LVN Education (Table PNF-18 to PNF-20)

- Administrators and faculty with doctoral preparation earn higher salaries on the average than those with other academic credentials (Table PNF-18).

- In general, the average calendar-year salaries are not consistently higher than academic-year salaries, except for those of chief administrators (Table PNF-18).

- There appears to be no consistent pattern among salaries by region for any of the faculty positions, either for academic- or calendar-year salaries (Table PNF-19).

- Most LPN/LVN programs are in institutions that receive their support from the public sector. In general, mean salaries are higher in institutions with public financial support (Table PNF-20).

Table PNF-18

MEAN SALARIES OF LPN/LVN ADMINISTRATORS AND FACULTY BY HIGHEST CREDENTIAL AND TYPE OF APPOINTMENT, 1988

POSITION AND HIGHEST CREDENTIAL	ACADEMIC YEAR		CALENDAR YEAR	
	Number	Mean Salary	Number	Mean Salary
Chief Administrator				
Doctorate	8	$38,000	30	$42,600
Master's Degree (Nursing)	82	33,600	163	35,900
Other Credential	123	31,600	282	33,000
Associate/Assistant Administrator Department Head				
Doctorate	0	—	3	*
Master's Degree (Nursing)	24	36,600	19	36,300
Other Credential	38	31,200	74	29,200
Instructor				
Master's Degree (Nursing)	233	29,200	61	35,400
Master's Degree (Non-Nursing)	239	30,000	170	31,200
Baccalaureate (Nursing)	431	26,800	457	26,000
Other Credential	253	26,900	403	26,700
Other Position				
Master's Degree (Nursing)	21	29,100	12	16,500
Master's Degree (Non-Nursing)	14	31,100	25	28,100
Baccalaureate (Nursing)	34	28,100	21	27,500
Other Credential	47	23,800	33	24,100

*Too few data to warrent publication.

Table PNF-19

MEAN SALARIES OF LPN/LVN ADMINISTRATORS AND FACULTY BY POSITION, HIGHEST CREDENTIAL, TYPE OF APPOINTMENT, AND NLN REGION, 1988

POSITION AND HIGHEST CREDENTIAL	ACADEMIC YEAR APPOINTMENT								CALENDAR YEAR APPOINTMENT							
	NORTH ATLANTIC		MIDWESTERN		SOUTHERN		WESTERN		NORTH ATLANTIC		MIDWESTERN		SOUTHERN		WESTERN	
	Number	Mean Salary	Number	Mean Salary	Number	Mean Salary	Number	Mean Salary	Number	Mean Salary	Number	Mean Salary	Number	Mean Salary	Number	Mean Salary
Chief Administrator																
Doctorate	—	—	2	*	5	*	1	*	3	*	8	$42,600	11	$42,000	8	$43,400
Master's Degree (Nursing)	15	$37,000	16	$34,500	12	$31,900	39	$32,500	26	$36,500	46	35,900	55	34,900	36	37,100
Other Credential	38	31,600	26	32,700	46	30,200	13	34,300	54	38,700	74	33,400	132	29,800	22	37,300
Assistant Administrator/ Department Head																
Doctorate	0	—	0	—	0	—	0	—	1	*	0	—	1	*	1	*
Master's Degree (Nursing)	6	36,300	3	*	4	*	11	40,800	4	*	5	*	8	35,000	2	*
Other Credential	9	32,800	4	*	16	26,300	9	33,300	10	32,300	14	28,900	40	28,200	10	30,400
Instructor																
Master's Degree (Nursing)	26	28,100	44	26,900	39	27,700	124	30,600	22	32,600	7	29,300	29	32,200	11	27,800
Master's Degree (Non-Nursing)	40	32,000	91	27,200	40	29,200	68	33,000	38	34,300	32	31,700	91	30,200	9	28,400
Baccalaureate (Nursing)	110	26,200	122	29,200	123	24,200	82	27,700	90	27,700	132	25,600	194	25,600	41	25,600
Other Credential	74	26,400	69	26,400	67	26,600	43	29,200	65	28,600	81	25,400	238	26,600	19	26,700
Other Position																
Master's Degree (Nursing)	0	—	3	*	0	—	18	30,200	0	—	2	*	0	—	10	16,000
Master's Degree (Non-Nursing)	2	*	5	*	3	*	4	*	1	*	13	25,500	8	32,100	3	*
Baccalaureate (Nursing)	4	*	13	31,300	9	25,100	8	27,000	0	—	6	22,200	12	28,900	3	*
Other Credential	13	24,200	15	31,100	15	28,500	4	*	4	*	6	22,000	21	25,900	2	*

* Too few data to warrent publication.

Table PNF-20

MEAN SALARIES OF LPN/LVN ADMINISTRATORS AND FACULTY BY POSITION, HIGHEST CREDENTIAL, TYPE OF APPOINTMENT AND TYPE OF INSTITUTIONAL SUPPORT, 1988

POSITION AND HIGHEST CREDENTIAL	ACADEMIC YEAR APPOINTMENT			CALENDAR YEAR APPOINTMENT		
	Public	Private Secular	Private Religious	Public	Private Secular	Private Religious
Chief Administrator						
Doctorate	*	—	—	$42,600	—	—
Master's Degree (Nursing)	$27,500	*	—	36,600	$31,700	*
Other Credential	32,000	$29,000	—	32,800	35,000	*
Assistant Administrator Department Head						
Doctorate	—	—	—	*	*	—
Master's Degree (Nursing)	38,200	—	—	36,000	*	—
Other Credential	32,400	*	—	29,200	27,800	*
Instructor						
Master's Degree (Nursing)	29,900	*	*	30,800	29,000	*
Master's Degree (Non-Nursing)	33,400	*	*	24,500	31,900	*
Baccalaureate (Nursing)	26,400	21,000	*	27,200	22,200	*
Other Credential	26,900	27,300	—	26,800	25,200	—
Other Position						
Master's Degree (Nursing)	29,100	—	—	16,500	—	—
Master's Degree (Non-Nursing)	31,100	—	—	28,300	*	—
Baccalaureate (Nursing)	28,100	—	—	28,600	24,700	*
Other Credential	24,400	*	—	24,100	—	—

*Too few data to warrent publication.

NURSING DATA REVIEW 1988

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Preface

Nursing Data Review 1989 offers an overview and summary of the League's recent research activities. These data were compiled by the Division of Research and report the findings of two major surveys: the annual survey of state-approved schools of nursing (1987-88) and the biennial survey of nurse faculty (1988).

In order to disseminate our research findings as soon as they become available, NLN has instituted a module format. Each module covers the results of a particular study, and the *Nursing Data Review* combines several modules together with additional, previously unpublished data. *Nursing Student Census* is the module that provides trend data over 10 to 20 years on admissions, enrollments, and graduations, as well as other pertinent information regarding RN and graduate nursing programs. *Nurse Faculty: Socioeconomic Trends,* our second module, reports numbers, salaries, workload, credentials, and other topics concerning nursing faculty teaching at RN and advanced nursing programs.

Results of the annual survey are also included in NLN's *State-Approved Schools of Nursing—RN* and *State-Approved Schools of Nursing—LPN/LVN*. These data are used by a wide range of audiences including federal and state government agencies and individuals from the private sector who have used the survey findings in projecting the supply of and demand for nursing personnel.

We hope the new format will provide our readers with data in a more timely and readable manner. We thank the nursing schools, state boards, and individuals who have helped make this research publication possible.

Peri Rosenfeld, PhD
Vice President for Research

CONTENTS

Preface . . . iii

Definition of Terms . . . xvii

Jurisdictions Included in the NLN Regions . . . xviii

Time Periods Used in Statistical Data . . . xix

RN STUDENTS . . . 3

Summary and Results of Nursing Student Census—1989 . . . 3

BASIC NURSING EDUCATION . . . 5

Basic RN Education . . . 7

- Basic RN Programs . . . 7
  - Table 1. Basic RN Programs and Percentage Change from Previous Year, by Type of Program: 1969 to 1988 . . . 8
- RN Programs, by Source of Funding . . . 9
  - Table 2. Public and Private Basic RN Programs, by Type of Program: 1979 to 1988 . . . 10
- RN Programs, by Region and State . . . 11
  - Table 3. All Basic RN Programs, by NLN Region and State: 1979 to 1988 . . . 13
  - Table 4. Baccalaureate Nursing Programs, by NLN Region and State: 1979 to 1988 . . . 14
  - Table 5. Associate Degree Nursing Programs, by NLN Region and State: 1979 to 1988 . . . 15
  - Table 6. Diploma Nursing Programs, by NLN Region and State: 1979 to 1988 . . . 16
- Baccalaureate Nursing Programs: Accreditation Status . . . 17
  - Table 7. Baccalaureate Nursing Programs That Enroll Basic and/or RN Students, by NLN Accreditation Status: January 1989 . . . 17
- Basic Nursing Programs: Accreditation and State Data . . . 18
  - Table 8. Basic RN Programs, by Type of Program and NLN Accreditation Status: January 1989 . . . 19

Tuitions . . . 20

- RN Programs: Tuitions . . . 20
  - Table 9. Mean Annual Tuitions of Full-Time Students in Public or Private Basic RN Programs, by NLN Region and State: 1988-89 . . . 21
  - Table 10. Mean Annual Tuitions of Full-Time Students in Public or Private Baccalaureate Nursing Programs, by NLN Region and State: 1988-89 . . . 22

Table 11. Mean Annual Tuitions of Full-Time Students in Public or Private Associate Degree Nursing Programs, by NLN Region and State: 1988-89 23

Table 12. Mean Annual Tuitions of Full-Time Students in Public or Private Diploma Nursing Programs, by NLN Region and State: 1988-89 24

Admissions 25

Fall Admissions, by Type of Financial Support 25

Table 13. Fall Admissions to Public and Private Basic RN Programs, by Type of Program: 1979 to 1988 25

Annual Admissions to Basic RN Programs 26

Table 14. Annual Admissions to Basic RN Programs and Percentage of Change from Previous Year, by Type of Program: 1968-69 to 1987-88 28

Table 15. Annual Admissions to Public and Private Basic RN Programs, by Type of Program: 1978-79 to 1987-88 29

Table 16. Annual Admissions to All Basic RN Programs, by NLN Region and State: 1978-79 to 1987-88 30

Table 17. Annual Admissions to Baccalaureate Nursing Programs, by NLN Region and State: 1978-79 to 1987-88 31

Table 18. Annual Admissions to Associate Degree Nursing Programs, by NLN Region and State: 1978-79 to 1987-88 32

Table 19. Annual Admissions to Diploma Nursing Programs, by NLN Region and State: 1978-79 to 1987-88 33

Table 20. Annual Admissions to Basic RN Programs, by Type of Program and NLN Accreditation Status: August 1, 1987 to July 31, 1988 34

Enrollments 35

Enrollments in Basic RN Programs 35

Table 21. Enrollments in Basic RN Programs and Percentage Change from Previous Year, by Type of Program: 1969 to 1988 36

Table 22. Enrollments in Public and Private Basic RN Programs, by Type of Program: 1979 to 1988 37

Table 23. Total Enrollments in All Basic RN Programs, by NLN Region and State: 1979 to 1988 38

Table 24. Total Enrollments in Baccalaureate Nursing Programs, by NLN Region and State: 1979 to 1988 39

Table 25. Total Enrollments in Associate Degree Nursing Programs, by NLN Region and State: 1979 to 1988 40

Table 26. Total Enrollments in Diploma Nursing Programs, by NLN Region and State: 1979 to 1988 41

Table 27. Enrollments in Accredited and Non-Accredited Programs, by NLN Region and State and Type of Program: 1988 42

Enrollments of RNs in Baccalaureate Nursing Programs 43

Table 28. Basic and RN Student Enrollments in Baccalaureate Nursing Programs: 1979 to 1988 44

Table 29. Full-Time and Part-Time Enrollments of Basic and RN Students in Baccalaureate Nursing Programs: 1984 to 1988 44

Table 30. Total Enrollments in Baccalaureate Nursing Programs, by NLN Region and State: 1984 to 1988 45

Graduations 46

Graduations from Basic RN Programs 46

Table 31. Graduations from Basic RN Programs and Percentage Change from Previous Year, by Type of Program: 1968-69 to 1987-88 47

Table 32. Graduations from Public and Private Basic RN Programs, by Type of Program: 1978-79 to 1987-88 48

Table 33. Graduations from All Basic RN Programs, by NLN Region and State: 1978-79 to 1987-88 49

Table 34. Graduations from Baccalaureate Nursing Programs, by NLN Region and State: 1978-79 to 1987-88 50

Table 35. Graduations from Associate Degree Nursing Programs, by NLN Region and State: 1978-79 to 1987-88 51

Table 36. Graduations from Diploma Nursing Programs, by NLN Region and State: 1978-79 to 1987-88 52

Table 37. Graduations from Accredited and Non-Accredited Programs, by NLN Region and State and Type of Program: 1987-88 53

Graduations of RNs from Baccalaureate Nursing Programs 54

Table 38. Basic and RN Student Graduations from Baccalaureate Nursing Programs: 1978-79 to 1987-88 55

Table 39. Graduations of Registered Nurses from Baccalaureate Nursing Programs, by Previous Basic Nursing Education and Region: 1983-84 to 1987-88 56

Table 40. Total Graduations from Baccalaureate Nursing Programs, by NLN Region and State: 1984 to 1988 57

MEN AND MINORITY STUDENTS 59

Men and Minority Students 61

Admissions of Men and Minority Students 61

Table 41. Admissions of Men and Minority Students to All Basic RN Programs, by NLN Region and State: 1987-88 63

Table 42. Admissions of Men and Minority Students to Baccalaureate Programs, by NLN Region and State: 1987-88 64

Table 43. Admissions of Men and Minority Students to Associate Degree Programs, by NLN Region and State: 1987-88 65

Table 44. Admissions of Men and Minority Students to Diploma Programs, by NLN Region and State: 1987-88 66

Table 45. Trends in Admissions of Men and Minority Students in Basic RN Programs, 1978 to 1988 67

Enrollments of Men and Minority Students . . . 68

Table 46. Enrollments of Men and Minority Students in all Basic RN Programs, by NLN Region and State: 1988 . . . 69

Table 47. Enrollments of Men and Minority Students in Baccalaureate Programs, by NLN Region and State: 1986 . . . 70

Table 48. Enrollments of Men and Minority Students in Associate Degree Programs, by NLN Region and State: 1988 . . . 71

Table 49. Enrollments of Men and Minority Students in Diploma Programs, by NLN Region and State: 1988 . . . 72

Table 50. Trends in Enrollments of Men and Minority Students in Basic RN Programs, 1978 to 1988 . . . 73

Graduations of Men and Minority Students . . . 74

Table 51. Graduations of Men and Minority Students from All Basic RN Programs, by NLN Region and State: 1987-88 . . . 75

Table 52. Graduations of Men and Minority Students from Baccalaureate Programs, by NLN Region and State: 1987-88 . . . 76

Table 53. Graduations of Men and Minority Students from Associate Degree Programs, by NLN Region and State: 1987-88 . . . 77

Table 54. Graduations of Men and Minority Students from Diploma Programs, by NLN Region and State: 1987-88 . . . 78

Table 55. Trends in Graduations of Men and Minority Students in Basic RN Programs, 1978 to 1988 . . . 79

HIGHER DEGREE NURSING EDUCATION . . . 81

Master's Programs in Nursing . . . 83

Master's Programs in Nursing . . . 83

Table 56. Master's Programs in Nursing, by NLN Region and State: 1979 to 1988 . . . 84

Enrollments of Nurses in Master's Programs . . . 85

Table 57. Enrollments of Nurses in Master's Programs and Percentage in NLN-Accredited Programs: 1969 to 1988 . . . 86

Table 58. Enrollments of Nurses in Master's Programs, Percentage Change from Previous Year, and Percentage Enrolled Full Time, by NLN Region: 1969 to 1988 . . . 87

Table 59. Enrollments of Registered Nurses in Master's Programs in Nursing, by NLN Region and State: 1979 to 1988 . . . 88

Full-Time Enrollments in Master's Programs, by Functional Area . . . 89

Table 60. Full-Time Enrollments of Nurses in Master's Programs, by Functional Area of Study: 1979 to 1988 . . . 89

Full-Time Enrollments in Master's Programs, by Nursing Content Area . . . 90

Table 60a. Full-Time Enrollments in Advanced Clinical Practice, by Nursing Content Area: 1979 to 1988 . . . 91

Table 60b. Full-Time Enrollments in Teaching, by Nursing Content Area: 1985-88 91

Part-Time Enrollments in Master's Programs, by Functional Area of Study 92

Table 61. Part-Time Enrollments of Nurses in Master's Programs, by Functional Area of Study: 1979 to 1988 92

Part-Time Enrollments in Master's Programs, by Nursing Content Area 93

Table 61a. Part-Time Enrollments of Nurses in Advanced Clinical Practice, by Nursing Content Area:1985-88 93

Table 61b. Part-Time Enrollments of Nurses in Teaching, by Nursing Content Area: 1985-88 93

Graduations from Master's Programs 94

Table 62. Graduations from Master's Programs and Percentage Change from Previous Year, by NLN Region: 1968-69 to 1987-88 94

Table 63. Graduations of Registered Nurses from Master's Programs in Nursing, by NLN Region and State: 1978-79 to 1987-88 95

Graduations from Master's Programs, by Functional Area 96

Table 64. Graduations of Nurses from Master's Programs, by Functional Area of Study: 1977-78 to 1987-88 96

Graduations from Master's Programs, by Nursing Content Area 97

Table 65. Graduations of Nurses from Master's Programs, by Nursing Content Area: 1977-78 to 1987-88 97

Doctoral Programs in Nursing 98

Doctoral Programs in Nursing 98

Table 66. Doctoral Programs in Nursing Located in Nursing Education Departments: 1979 to 1988 100

Table 67. Enrollments and Percentage Change from Previous Year of Nurses in Doctoral Programs Located in Nursing Education Departments: 1969 to 1988 101

Table 68. Enrollments of Registered Nurses in Doctoral Programs Located in Nursing Education Departments: 1979 to 1988 102

Graduations from Doctoral Nursing Programs 103

Table 69. Graduations of Registered Nurses from Doctoral Programs Located in Nursing Education Departments: 1978-79 to 1987-88 104

RN FACULTY 105

Summary and Results of Nurse Faculty Census 107

Program Information 110

Table F-1. Number and Percent of Nursing Education Programs, by NLN Region: 1988 110

Table F-2. Number of Nursing Education Programs, by State: 1988 112

Number of Faculty and Unfilled Positions 113

Table F-3. Total Number of Full-Time and Part-Time Faculty, by Type of Program and State: All Generic and Non-Generic Programs: 1988 114

Table F-4. Change in Number of Full-Time and Part-Time Faculty and Unfilled Positions, by Type of Program: 1972-1988 116

Table F-5. Estimated Number of Full-Time and Part-Time Faculty and Unfilled Positions and Percent Change, by Type of Program: 1972-1988 118

Figure F-1. Number of Nursing Education Programs, by Program Type 119

Figure F-2. Total Number of Full-Time and Part-Time Faculty in All Nursing Education Programs 120

Figure F-3. Number of Full-Time Faculty, by Program Type 121

Figure F-4. Number of Part-Time Faculty, by Program Type 122

Figure F-5. Ratio of Full-Time to Part-Time Faculty, by Program Type 123

Table F-6. Number and Percent of Nurse and Non-Nurse Faculty, by Type of Program and Region: 1988 124

Table F-7. Mean Number of Full-Time and Part-Time Nurse Faculty and Unfilled Positions Per Program: 1970-1988 125

Figure F-6. Mean Number of Full-Time Faculty, by Program Type 126

Figure F-7. Mean Number of Part-Time Faculty, by Program Type 127

Table F-8. Unfilled Nurse Faculty Budgeted Positions Per 100 Full-Time Faculty, by NLN Region: 1978-1988 128

Table F-9. Assignment of Full-Time Faculty to Baccalaureate or Graduate Teaching, by Region: 1978-1988 129

Highest Earned Credentials 130

Table F-10. Highest Earned Credential of Nursing Education Administrators, by Type of Program: 1970-1988 131

Figure F-8. Highest Earned Credentials of Administrators by Program Type: 1988 132
A. Baccalaureate and Higher Degree Programs
B. Associate Degree Programs
C. Diploma Programs

Table F-11. Highest Earned Credential of Full-Time Nurse Faculty, by Type of Program: 1970-1988 134

Figure F-9. Highest Earned Credentials of Full-Time Faculty, by Program Type: 1988 135
A. Baccalaureate and Higher Degree Programs
B. Associate Degree Programs
C. Diploma Programs

Table F-12. Highest Earned Credential of Part-Time Nurse Faculty, by Type of Program: 1970-1988 137

Figure F-10. Highest Earned Credentials of Part-Time Faculty, by Program Type: 1988 138
A. Baccalaureate and Higher Degree Programs
B. Associate Degree Programs
C. Diploma Programs

Table F-13. Highest Earned Credential of Full-Time Faculty, by NLN Region: 1972-1988 139

Table F-14. Highest Earned Credential of Full-Time and Part-Time Faculty, by State: 1988 141

Table F-15. Highest Earned Credential of Full-Time Faculty in Accredited and Non-Accredited Programs: 1972-1988 143

Table F-16. Highest Earned Credential of Part-Time Faculty in Accredited and Non-Accredited Programs: 1972-1988 145

Table F-17. Credentials of Full-Time Faculty: Percentage of Nursing and Non-Nursing Degrees, by Type of Program and NLN Region: 1988 147

Table F-18. Highest Earned Credential of Part-Time Faculty, by Type of Program and NLN Region: 1988 148

Table F-19. Highest Earned Credential of Graduate Faculty, by NLN Region 149

Faculty Characteristics 150

Table F-20. Ethnic Background of Administrators: Number and Percent, by Type of Program and Region: 1988 150

Table F-21. Ethnic Background of Full-Time Faculty, by Type of Program and NLN Region: 1988 151

Table F-22. Ethnic Background of Part-Time Faculty, by NLN Region and Types of Program 152

Table F-23. Full-Time Male Faculty, by Type of Program and Region: 1988 154

Table F-24. Part-Time Male Faculty, by Type of Program and Region: 1988 155

Faculty Workload 156

Table F-25. Comparison of Faculty Workload, by Type of Program: 1988 157

Table F-26. Comparison of Faculty Workload, by Type of Program (Percentiles): 1988 158

Table F-27. Comparison of Faculty Teaching Hours Per Week by NLN Region and Program Type (Mean Number of Hours): 1988 159

Table F-28. Comparison of Faculty Teaching Hours Per Week by Type of Baccalaureate Program and NLN Region: 1988 160

Table F-29. Comparison of Faculty Teaching Hours Per Week by NLN Accreditation Status and Program Type (Mean Number of Hours): 1988 161

Table F-30. Comparison of Faculty Teaching Hours Per Week by Type of Baccalaureate Program and NLN Accreditation Status: 1988 162

Table F-31. Comparison of Faculty Teaching Hours Per Week by Institutional Support and Program Type: 1988 163

Table F-32. Mean Number of Faculty Teaching Hours Per Week by Type of Baccalaureate Program and Institutional Support: 1988 164

Table F-33. Mean Number of Graduate Faculty Teaching Hours by NLN Region, Accreditation Status, and Institutional Support: 1988 165

Table F-34. Faculty Workload: Number of Students for a Typical Full-Time Faculty Member by Program Type: 1988 166

Table F-35. Faculty Workload: Number of Students by Classroom and Clinical Teaching by Type of Program (Percentiles): 1988 167

Table F-36. Comparisons of Number of Students in Classroom and Clinical Teaching by Type of Program and NLN Region (Mean Number of Students): 1988 168

Table F-37. Comparison of Number of Students in Classroom and Clinical Teaching in Baccalaureate Degree Programs by Type of Program and NLN Region (Mean Number of Students): 1988 169

Salaries in Nursing Education 170

Table F-38. Mean Salaries of Full-Time Faculty and Administrators, by Highest Credential, Type of Appointment, and Program: 1988 172

Figure F-11. Salary of Chief Administrators of Baccalaureate and Higher Degree Programs 173

Figure F-12. Salary of Chief Administrators of Associate Degree Programs 174

Figure F-13. Salary of Chief Administrators of Diploma Programs 175

Table F-39. Mean Salaries of Administrators in Baccalaureate and Higher Degree Programs by Highest Credential and NLN Region: 1988 176

Table F-40. Mean Salaries of Faculty in Generic Baccalaureate and Higher Degree Programs by Highest Credential, Type of Appointment, and NLN Region: 1988 177

Table F-41. Mean Salaries of Faculty in Baccalaureate and Higher Degree Programs that Admit Registered Nurses only by Highest Credential, Type of Appointment, and NLN Region: 1988 178

Table F-42. Mean Salaries of Administrators in Associate Degree Programs by Highest Credential, Type of Appointment, and NLN Region: 1988 179

Table F-43. Mean Salaries of Faculty in Associate Degree Programs by Highest Credential, Type of Appointment, and NLN Region: 1988 180

Table F-44. Mean Salaries of Administrators in Diploma Programs by Highest Credential, Type of Appointment, and NLN Region: 1988 181

Table F-45. Mean Salaries of Faculty in Diploma Programs by Highest Credential, Type of Appointment, and NLN Region: 1988 182

Table F-46. Mean Salaries of Administrators by Highest Credential, Type of Appointment, Type of Program and Institutional Support: 1988 183

Table F-47. Mean Salaries of Faculty by Highest Credential, Type of Appointment, Type of Program, and Institutional Support: 1988 184

PN STUDENTS

Summary and Results of LPN/LVN Student Census 187

LPN/LVN Programs 189

Number of LPN/LVN Programs 189

Table PN-1. LPN/LVN Schools and Programs with Percentage Change from Previous Year, by Type of Program: 1969 to 1988 189

Table PN-2. LPN/LVN Programs, by NLN Region and State: 1979 to 1988 190

LPN/LVN Programs by Source of Funding 191

Table PN-3. LPN/LVN Programs, by NLN Region and Primary Source of Financial Support: 1979 to 1988 191

Administrative Control of LPN/LVN Programs 192

Table PN-4. LPN/LVN Programs, by NLN Region and Type of Administrative Control: 1979 to 1988 193

Admissions 194

Annual Admissions to LPN/LVN Programs 194

Table PN-5. Admissions to LPN/LVN Programs and Percentage Change from Previous Year: 1968-69 to 1987-88 194

Table PN-6. Annual Admissions to LPN/LVN Programs, by NLN Region and State: 1978-79 to 1987-88 195

Table PN-7. Annual Admissions to LPN/LVN Programs, by NLN Region and Primary Source of Financial Support: 1978-79 to 1987-88 196

Table PN-8. Annual Admissions to LPN/LVN Programs, by NLN Region and Type of Administrative Control: 1978-79 to 1987-88 197

Fall Admissions to LPN/LVN Programs 198

Table PN-9. Fall Admissions to LPN/LVN Programs with Percentage Change from Previous Year: 1974 to 1988 198

Table PN-10. Fall Admissions to LPN/LVN Programs, by NLN Region and State: 1979 to 1988 199

Table PN-11. Fall Admissions to LPN/LVN Programs, by NLN Region and Primary Source of Financial Support: 1979 to 1988 200

Table PN-12. Fall Admissions to LPN/LVN Programs, by NLN Region and Type of Administrative Control: 1979 to 1988 201

Enrollments 202

Table PN-13. Enrollments in LPN/LVN Programs with Percentage Change from Previous Year: 1969 to 1988 202

Table PN-14. Enrollments in LPN/LVN Programs, by NLN Region and State: 1979 to 1988 204

Table PN-15. Enrollments in LPN/LVN Programs, by NLN Region and Primary Source of Financial Support: 1979 to 1988 205

Table PN-16. Enrollments in LPN/LVN Programs, by NLN Region and Administrative Control: 1979 to 1988 206

Graduations 207

Table PN-17. Graduations from LPN/LVN Programs with Percentage Change from Previous Year: 1968-69 to 1987-88 207

Table PN-18. Graduations from LPN/LVN Programs, by NLN Region and State: 1978-79 to 1987-88 209

Table PN-19. Graduations from LPN/LVN Programs, by NLN Region and Primary Source of Financial Support: 1978-79 to 1987-88 210

Table PN-20. Graduations from LPN/LVN Programs, by NLN Region and Type of Administrative Control: 1978-79 to 1987-88 211

Men and Minority Students 212

Table PN-21. Admissions of Men and Minority Students to LPN/LVN Programs, by NLN Region and State: 1987-88 213

Table PN-22. Trends in Admissions of Men and Minority Students in LPN/LVN Programs, 1978 to 1988 214

Table PN-23. Enrollments of Men and Minority Students to LPN/LVN Programs, by NLN Region and State 216

Table PN-24. Trends in Enrollments of Men and Minority Students in LPN/LVN Programs, 1978 to 1988 217

Table PN-25. Graduations of Men and Minority Students from LPN/LVN Programs, by NLN Region and State: 1987-88 219

Table PN-26. Trends in Graduations of Men and Minority Students in LPN/LVN Programs, 1978 to 1988 220

Tuition and Fees 221

Table PN-27. Mean Annual Tuitions of Full-Time Students in Public or Private LPN/LVN Programs, by NLN Region and State: 1987-88 222

PN FACULTY

Summary and Results of LPN/LVN Faculty Census 225

Number of Faculty and Unfilled Positions 226

Table PNF-1. Number of Full-Time and Part-Time Nurse Faculty in LPN/LVN Programs: 1968 to 1988 226

Table PNF-2. Full-Time and Part-Time Nurse Faculty and Unfilled Budgeted Positions in LPN/LVN Programs, by State: 1988 228

Table PNF-3. Percent of Nurse and Non-Nurse Faculty in LPN/LVN Programs, by NLN Region: 1988 229

Highest Earned Credentials 230

Table PNF-4. Highest Earned Credential of Administrators in LPN/LVN Programs: 1968 to 1988 230

Table PNF-5. Highest Earned Credential of Full-Time Nurse Faculty of LPN/LVN Programs: 1968 to 1988 231

Table PNF-6. Highest Earned Credential of Part-Time Nurse Faculty of LPN/LVN Programs: 1968 to 1988 231

Table PNF-7. Highest Earned Credential of Full-Time Nurse Faculty of LPN/LVN Programs, by NLN Region: 1974 to 1988 232

Table PNF-8. Highest Earned Credential of Part-Time Nurse Faculty of LPN/LVN Programs, by NLN Region: 1974 to 1988 233

Table PNF-9. Number of Full-Time LPN/LVN Faculty, by Type of Degree and NLN Region: 1988 234

Table PNF-10. Number of Part-Time LPN/LVN Faculty, by Type of Degree and NLN Region: 1988 234

Table PNF-11. Highest Earned Credential of Full-Time and Part-Time Nurse Faculty in LPN/LVN Programs, by State: 1988 235

Faculty Characteristics 236

Table PNF-12. Ethnic Background of Administrators in LPN/LVN Programs, by NLN Region: 1988 236

Table PNF-13. Ethnic Background of Full-Time Faculty in LPN/LVN Programs, by NLN Region: 1988 237

Table PNF-14. Ethnic Background of Part-Time Faculty in LPN/LVN Programs, by NLN Region: 1988 237

Table PNF-15. Number of Full-Time and Part-Time Male Faculty in LPN/LVN Programs, by NLN Region: 1988 238

Faculty Workload 239

Table PNF-16. Number of Hours per Week for a Typical Faculty Member in LPN/LVN Programs, by NLN Region: 1988 239

Table PNF-17. Number of Students per Week for a Typical Faculty Member in LPN/LVN Programs, by NLN Region: 1988 240

Salaries in LPN/LVN Education 241

Table PNF-18. Mean Salaries of LPN/LVN Administrators and Faculty, by Highest Credential and Type of Appointment: 1988 242

Table PNF-19. Mean Salaries of LPN/LVN Administrators and Faculty, by Position, Highest Credential, Type of Appointment, and NLN Region: 1988 242

Table PNF-20. Mean Salaries of LPN/LVN Administrators and Faculty, by Position, Highest Credential, Type of Appointment, and Type of Institutional Support: 1988 243

DEFINITION OF TERMS

Administrator of Nursing Program—Dean, chair, director, head of department.

Baccalaureate Programs

a) *Baccalaureate and higher degree programs:* All baccalaureate and graduate nursing programs.

b) *Baccalaureate and higher degree programs with generic students:* Programs that accept students without prior nursing education. Most of these programs also admit registered nurses who had previously studied at the associate degree or diploma level and are returning to baccalaureate nursing education. Master's and doctoral level programs are also included with these programs.

c) *Baccalaureate and higher degree programs without generic students (for RN students only):* Programs designed exclusively for registered nurses returning for baccalaureate education (BRN programs) and/or graduate education.

Ethnic Background—The categories used to denote ethnic background are:

a) American Indian or Alaskan Native
b) Asian or Pacific Islander
c) Black, Non-Hispanic
d) Hispanic
e) White, Non-Hispanic

Faculty Workload—The questionnaire asked respondents to indicate the average number of hours per week that faculty spend in the following categories:

a) *Teaching (classroom):* Student contact hours in classroom instruction.

b) *Teaching (clinical):* Clinical or laboratory instruction or supervision (including pre- and post-clinical conferences).

c) *Advisement and counseling*

d) *Preparation hours:* Time spent preparing for teaching.

e) *Committee responsibility*

Full-Time Nurse Faculty—Individuals contracted on a full-time basis to teach or supervise students.

Highest Earned Credential—The highest earned degree or diploma held by a faculty member.

Non-Nurse Faculty—Individuals who are not registered nurses and are contracted to teach students as a part of the nursing faculty.

Part-Time Nurse Faculty—Individuals employed less than the required hours for full-time faculty employment.

Statistical Significance—Indicates that using such statistical tests as analysis of variance (ANOVA) and chi-square, there is at least 95 percent confidence that the differences between groups is not random (i.e., significant at the 0.05 level).

Unfilled Positions—Full-time or full-time equivalent budgeted positions not filled as of January 1988.

JURISDICTIONS INCLUDED IN THE NLN REGIONS

North Atlantic

Connecticut
Delaware
District of Columbia
Maine
Massachusetts
New Hampshire
New Jersey
New York
Pennsylvania
Rhode Island
Vermont

Midwestern

Illinois
Indiana
Iowa
Kansas
Michigan
Minnesota
Missouri
Nebraska
North Dakota
Ohio
South Dakota
Wisconsin

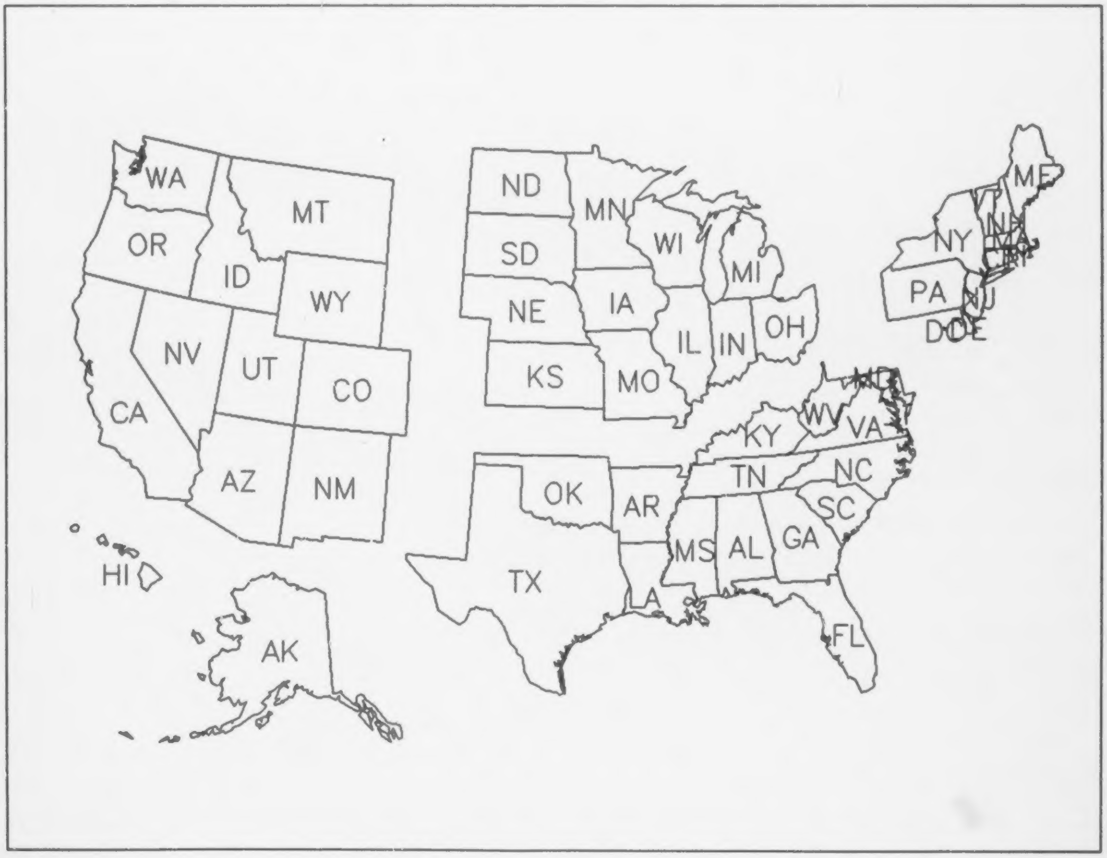
Southern

Alabama
Arkansas
Florida
Georgia
Kentucky
Louisiana
Maryland
Mississippi
North Carolina
Oklahoma
South Carolina
Tennessee
Texas
Virginia
West Virginia

Western

Alaska
Arizona
California
Colorado
Hawaii
Idaho
Montana
Nevada
New Mexico
Oregon
Utah
Washington
Wyoming

Note: American Samoa, Guam, Puerto Rico and the Virgin Islands are not included in aggregate data, but are listed separately on some tables with state data.


WA
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IL
IN
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KS
MO
CA
WV
VA
KY
TN
NC
AZ
NM
OK
AR
SC
MS
AL
GA
HI
TX
LA
FL
AK

TIME PERIODS USED IN STATISTICAL DATA

Academic Year—The academic year is defined as September 1 through August 31 for the academic years 1961-62 through 1969-70, and as August 1 through July 31 for subsequent years.

Admissions—Admissions are calculated on the basis of the academic year, as defined above.

Graduations—Graduations are calculated on the basis of the academic year, as defined above.

Enrollments—Enrollments are calculated as of October 15 (the fall term) of each year.

Nursing Programs—The number of nursing programs is determined by identifying continuing, new, and discontinued programs between October 16 of the preceding year and October 15 of the year shown in the table.

NLN Accreditation Status—The NLN accreditation status of nursing programs is determined as of January 1 of the calendar year immediately following the end of the last academic year. For example, for the 1987-88 academic year, NLN accreditation status would be stated as of January 1989.

RN STUDENTS

SUMMARY OF THE RESULTS OF NURSING STUDENT CENSUS—1989

This research module presents the results of NLN's 1988 annual survey of state-approved schools of registered nursing and higher degree programs. These data cover the academic year August 1987 through July 1988 and enrollments reflect through the fall of 1988. Except where otherwise indicated, the data are based on a 100 percent response rate from all nursing programs.

Basic RN Education

The total number of basic RN programs dropped to 1,442 in 1988. The 792 associate degree programs comprise over half the basic RN programs, 479 generic baccalaureate programs represent 33 percent of the total, and the 171 diploma programs, 12 percent. An additional 147 baccalaureate programs are designed specifically for the returning RN.

The majority of all basic RN programs are publicly funded (68%). The South has the greatest number of RN programs (475), followed by the Midwest (415), the North Atlantic (343), and the West (209).

Ninety-nine percent of diploma programs and over 89 percent of baccalaureate programs have NLN accreditation, whereas 62 percent of associate degree programs have NLN accreditation.

Admissions

Annual admissions—the number of first-time nursing students admitted between July 1987 and August 1988 grew almost 4 percent to 94,269. This improvement marks the end of a three-year downward trend. Increases were reported among all program types—0.6 percent in diploma admissions, 1.7 percent among baccalaureate, and 5.6 percent in associate degree admissions.

After five years of declining, the number of fall admissions—first-time nursing students admitted between August and December 1988—increased 9 percent over the previous year. Associate degree programs reported a 12.5 percent improvement in fall admissions, baccalaureate programs reported a 3.8 percent increase, and diploma programs gained 2.8 percent. These data on fall and annual admissions suggest that improvement will be found in enrollments and graduations as well.

Enrollments

The number of enrollments as of October 15, 1988 increased slightly to 184,924. This year's 1.1 percent increase marks the start of an upward trend in overall enrollment. The 6.2 percent increase in associate degree enrollments offsets the 4.8 percent decrease in baccalaureate enrollments and the 0.4 percent decrease in diploma enrollments. Note that the reported decreases in baccalaureate and diploma enrollments are more modest than they've been in recent years.

Graduations

The recent declines in admissions and enrollments have now affected graduations. For the third year in a row, graduations have declined, and stood at 64,839 in 1987–88. This figure marks a dramatic low point in nursing graduations reminiscent of the early 1970s. All program types reported decreases in graduations, from a 28.2 percent drop in diploma graduations to a 9.5 percent decline in baccalaureate graduations and a 2.9 percent dip in associate degree graduations.

Returning RNs in BSN Programs

The number of RNs returning for baccalaureate degrees took a downward turn in 1988 with 43,027 RNs enrolled in BSN programs. RNs enrolled in basic baccalaureate programs registered at 25,597, and an additional 17,430 RNs were enrolled in baccalaureate programs specifically designed for them (BSRN). The enrollments in BSRN programs fell over 12 percent since 1987, whereas the number of RNs in generic programs dipped 3.4 percent during the same time. These enrollment figures will have a negative impact on graduations in the near future.

The number of RNs graduating from baccalaureate programs grew almost 8 percent. The number of graduates of BSRN programs grew to 4,458. The number of RNs to graduate from basic baccalaureate programs grew to 6,710. Almost 60 percent of the RN graduates from baccalaureate programs previously held associate degrees, the remaining 40 percent had diplomas.

Men and Minority Students in Basic Nursing

The number of men admitted to basic RN programs stabilized at 7.3 percent of total admissions in 1987-88. Furthermore, the percentage of black, Asian, Hispanic, and American Indian admissions remained almost unchanged since 1986-87. The ratio of men and minority enrollments and graduations mirror the patterns revealed in admissions statistics.

The West reported the greatest proportions of men, Hispanics, Asians, and American Indians. The South reported the largest ratio of black nursing students.

Master's Programs

The total number of master's programs grew to 197 in 1988. Enrollments in master's programs rose to 22,908 in 1987—an 8.1 percent increase since 1987. The number of graduates from master's programs fell slightly to 5,933—almost 2 percent since the previous year. The largest number of master's students are preparing for advanced clinical practice. Smaller groups majored in teaching or administration.

Medical-surgical nursing continues to attract the largest numbers of master's students in clinical practice and teaching. Maternal-child follows as the second most popular major. Smaller groups are studying psychiatric/mental health or community health.

Doctoral Programs

The number of doctoral nursing programs grew to 46 in 1988 and enrollments increased 8.3 percent to a record 2,309. The number of graduates from doctoral programs grew to 284—a 10.5 percent increase since 1986-87.

Basic Nursing Education

BASIC RN EDUCATION

Basic RN Programs (Table 1)

- In 1988 the total number of basic RN programs in the United States declined for the fourth year in a row. The current 1,442 programs represent a 1.6 percent decrease over the previous year (see Figure 1).

- The number of basic baccalaureate programs continues to increase and now stands at 479—a 2.6 percent increase since 1987.

- The number of AD programs has increased 0.3 percent to 792 whereas the number of diploma programs decreased by almost 19 percent.

- Associate degree programs constitute over half the basic nursing programs—almost 55 percent of the total. Baccalaureate programs represent 33 percent of all RN programs and diploma programs represent about 12 percent of the total (see Figure 2).

- In addition to the 479 basic baccalaureate programs, there were 147 baccalaureate programs exclusively designed for RNs (see Table 7). The number of baccalaureate programs designed exclusively for RNs has been declining for the past few years.

- **TEN-YEAR TREND:** The total number of basic RN programs grew from 1,374 to 1,442 over the past decade. Basic baccalaureate programs increased their numbers by 116, and the number of associate degree programs increased by 114. Meanwhile, 141 diploma programs have closed.

- **FIVE-YEAR TREND:** The total number of PN programs peaked at 1,477 five years ago. Since 1984, the total number has declined 2.4 percent. Basic baccalaureate programs have grown over 12 percent over the past five years and associate degree programs increased 2 percent. Diploma programs, however, have plummeted 38 percent since 1984.

Figure 1

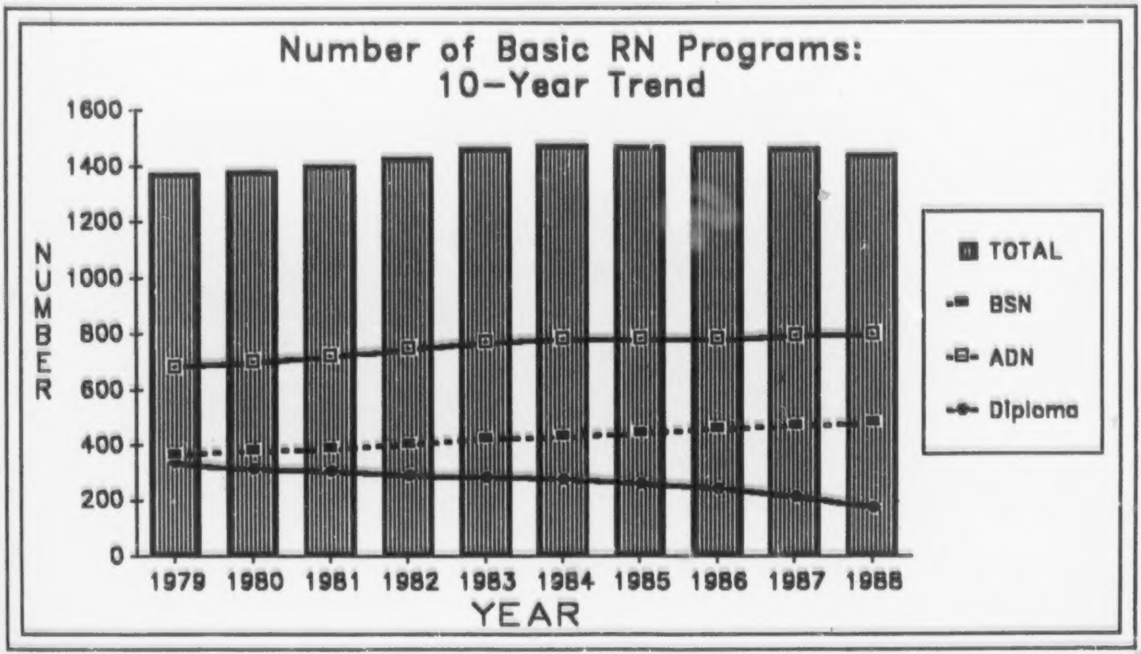

Figure 2

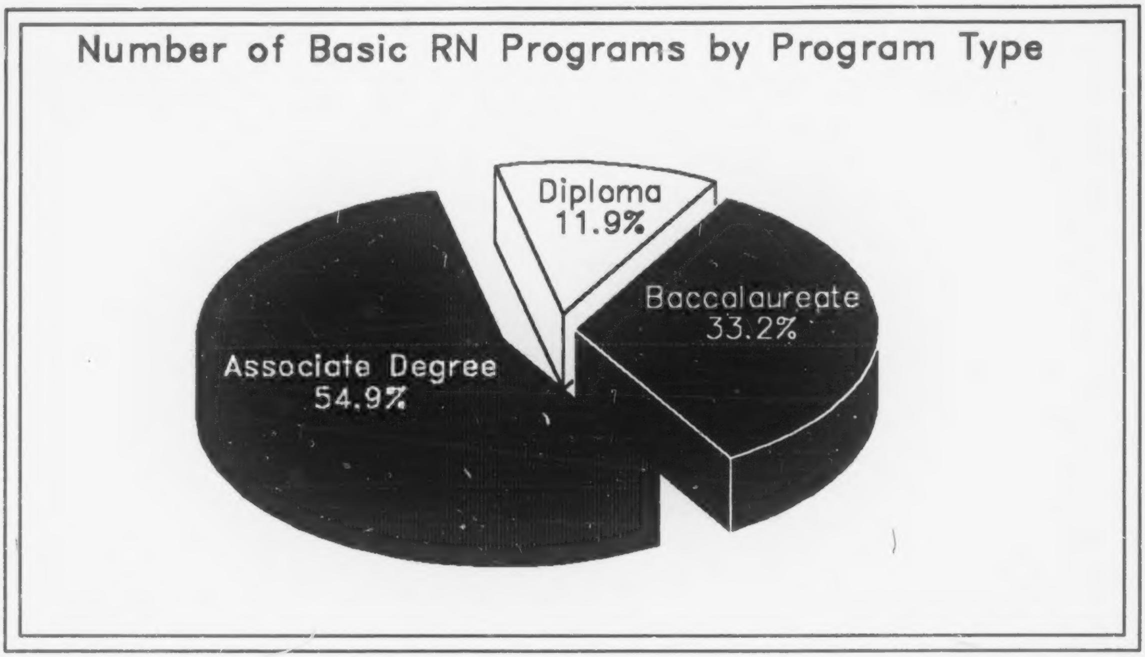

Table 1
BASIC RN PROGRAMS AND PERCENTAGE CHANGE FROM PREVIOUS YEAR, BY TYPE OF PROGRAM: 1969 TO 1988[1]

YEAR	NUMBER OF SCHOOLS	ALL BASIC RN PROGRAMS		BACCALAUREATE PROGRAMS		ASSOCIATE DEGREE PROGRAMS		DIPLOMA PROGRAMS	
		Number of Programs	Percent Change	Number of Programs	Percent Change	Number of Programs	Percent Change	Number of Programs	Percent Change
1969	1,313	1,324	+3.6	252	+8.2	384	+18.5	688	−4.6
1970	1,330	1,340	+1.2	267	+6.0	437	+13.8	636	−7.6
1971	1,338	1,349	+0.7	282	+5.6	484	+10.8	583	−8.3
1972	1,350	1,362	+1.0	290	+2.8	532	+9.9	540	−7.4
1973	1,348	1,360	−0.1	302	+4.1	565	+6.2	493	−8.7
1974	1,347	1,358	−0.1	310	+2.6	588	+4.1	460	−6.7
1975	1,349	1,362	+0.3	326	+5.2	608	+3.4	428	−7.0
1976	1,337	1,358	−0.3	336	+3.1	632	+3.9	390	−8.9
1977	1,339	1,356	−0.1	344	+2.4	645	+2.1	367	−5.9
1978	1,340	1,358	+0.1	348	+1.2	666	+3.3	344	−6.3
1979	1,354	1,374	+1.2	363	+4.3	678	+1.8	333	−3.2
1980	1,360	1,385	+0.8	377	+3.9	697	+2.8	311	−6.6
1981	1,377	1,401	+1.2	383	+1.6	715	+2.6	303	−2.6
1982	1,406	1,432	+2.2	402	+5.0	742	+3.8	288	−5.0
1983	1,432	1,466	+2.4	421	+4.7	764	+3.0	281	−2.4
1984	1,445	1,477	+0.8	427	+1.4	777	+1.7	273	−2.8
1985	1,434	1,473	−0.2	441	+3.3	776	−0.1	256	−6.2
1986	1,426	1,469	−0.3	455	+3.2	776	0.0	238	−7.0
1987	1,406	1,465	−0.3	467	+2.6	789	+1.7	209	−12.2
1988	1,391	1,442	−1.6	479	+2.6	792	+0.3	171	−18.7

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[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

RN Programs, by Source of Funding (Table 2)

- Almost 68 percent (979) of all basic RN programs were publicly financed, while 32 percent (463) were privately financed. This proportion has changed ever so slightly over the past few years due to the increasing proportion of associate degree programs which tend to be publicly funded.
- Among baccalaureate programs, the number of privately and publicly supported programs is about equal.
- A majority (88.9%) of associate degree programs were publicly funded, while 11 percent were privately supported. Conversely, the majority of diploma programs were privately funded (79%), whereas 21 percent were publicly funded (see Figure 3).

Figure 3

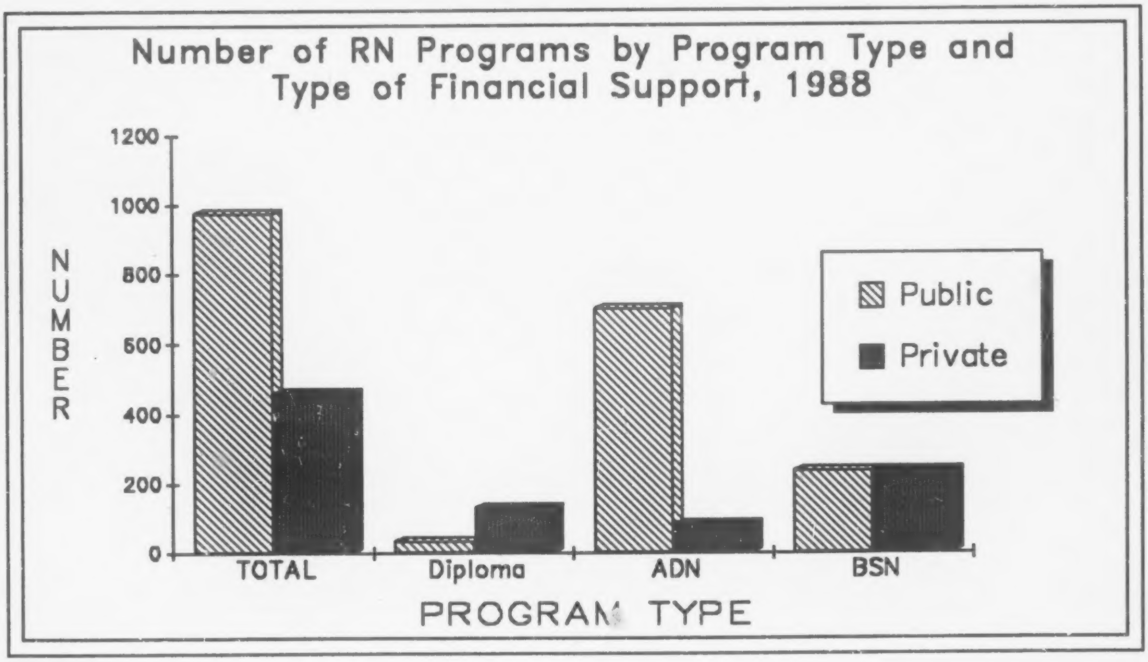

Table 2
PUBLIC AND PRIVATE BASIC RN PROGRAMS, BY TYPE OF PROGRAM: 1979 TO 1988[1]

PUBLIC AND PRIVATE NURSING PROGRAMS	NUMBER OF PROGRAMS									
	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
All Programs	**1,374**	**1,385**	**1,401**	**1,432**	**1,466**	**1,477**	**1,473**	**1,469**	**1,465**	**1,442**
Public	840	861	870	902	916	935	942	950	970	979
Private	534	524	531	530	550	542	531	519	495	463
Baccalaureate	363	377	383	402	421	427	441	455	467	479
Public	190	198	196	203	210	213	217	227	235	239
Private	173	179	187	199	211	214	224	228	232	240
Associate Degree	678	697	715	742	764	777	776	776	789	792
Public	609	624	638	662	669	684	688	688	698	704
Private	69	73	77	80	95	93	88	88	91	88
Diploma	333	311	303	288	281	273	256	238	209	171
Public	41	39	36	37	37	38	37	35	37	36
Private	292	272	267	251	244	235	219	203	172	135

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[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

RN Programs, by Region and State (Tables 3-6)

- The South reported the largest proportion of basic RN programs with 475 programs—almost 33 percent of the total. The Midwest reported 28.8 percent of all programs, the North Atlantic reported 23.8 percent, and the West 14.5 percent of the total (see Table 3). This pattern has remained fairly stable over the past few years.

- Among baccalaureate programs, the regional breakdown reveals 33.8 percent of the programs in the South, 31.5 percent in the Midwest, 23.2 percent in the North Atlantic, and 11.5 percent in the West (see Table 4).

- A slightly different picture emerges in the regional breakdown of associate degree programs: 35.6 percent are in the South, 26.6 percent are in the Midwest, 19.4 percent are in the West, and 18.4 percent are in the North Atlantic (see Table 5).

- The regional breakdown among diploma programs shows the North Atlantic leading, with 50.3 percent of the nation's diploma programs. The Midwest follows, with 31 percent of these programs. The South has 18 percent and the West only 1 diploma program (see Table 6).

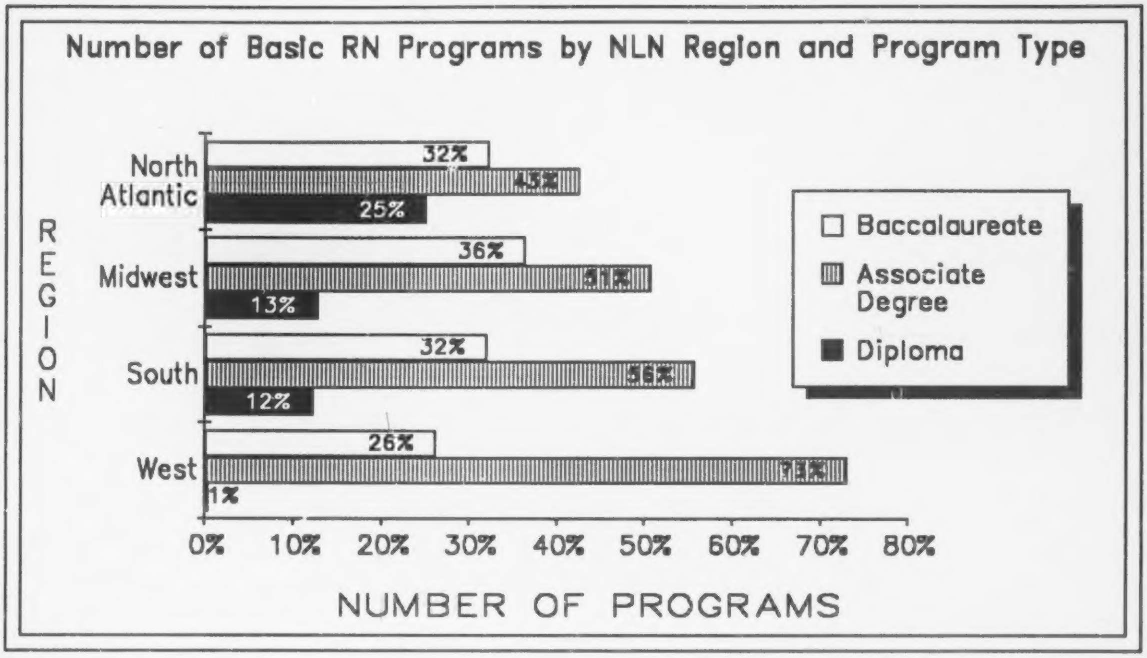
Percent of Program Type by Region

	Total	North Atlantic	Midwest	South	West
Baccalaureate	100.0%	23.2%	31.5%	33.8%	11.5%
Associate	100.0%	18.4%	26.6%	35.6%	19.4%
Diploma	100.0%	50.3%	31.0%	18.0%	0.7%
All programs	100.0%	23.8%	28.8%	32.9%	14.5%

- A comparison of the regional breakdowns by type of programs reveals that although associate degree programs constitute the largest proportion of nursing programs in all regions, the percentages range from 40 percent of all the North Atlantic programs to almost 73 percent of the Western programs (see Table 3-6 and Figure 4).

Region	Baccalaureate	Associate Degree	Diploma
North Atlantic	32.3%	42.6%	25.1%
Midwest	36.4%	50.8%	12.8%
South	34.1%	59.4%	6.5%
West	26.3%	73.2%	0.5%

Figure 4



Number of Basic RN Programs by NLN Region and Program Type

Table 3
ALL BASIC RN PROGRAMS, BY NLN REGION AND STATE: 1979 TO 1988[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS									
	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
United States	**1,374**	**1,385**	**1,401**	**1,432**	**1,466**	**1,477**	**1,473**	**1,469**	**1,465**	**1,442**
North Atlantic	351	344	342	341	348	357	350	359	355	343
Midwest	404	409	417	426	431	431	433	429	424	415
South	431	440	449	465	480	484	485	478	481	475
West	188	192	193	200	207	205	205	203	205	209
Alabama	34	34	35	37	37	37	36	36	35	35
Alaska	2	2	2	2	2	2	2	2	2	2
Arizona	14	16	16	18	17	16	16	15	15	15
Arkansas	19	19	20	20	20	20	20	20	21	21
California	84	87	88	90	94	93	92	90	89	90
Colorado	12	12	12	12	12	12	14	13	12	12
Connecticut	19	19	18	18	18	18	18	18	18	18
Delaware	7	7	7	7	7	7	6	6	6	6
District of Columbia	7	7	7	6	6	6	6	6	6	5
Florida	33	34	34	35	39	40	39	40	40	40
Georgia	33	35	33	32	34	34	34	34	33	32
Hawaii	5	5	5	5	5	6	6	6	6	6
Idaho	6	6	6	6	6	6	6	6	7	7
Illinois	82	80	78	79	80	78	76	77	72	72
Indiana	31	30	29	30	31	37	37	36	40	42
Iowa	35	36	38	39	39	39	39	39	36	36
Kansas	26	27	29	31	31	30	30	30	32	33
Kentucky	27	26	26	27	29	28	28	28	27	27
Louisiana	16	16	16	17	20	22	22	22	22	21
Maine	9	9	9	10	12	12	10	14	15	15
Maryland	22	22	24	24	25	25	25	24	24	23
Massachusetts	52	51	48	48	48	48	47	46	46	44
Michigan	45	45	49	50	53	51	50	50	49	48
Minnesota	24	25	25	26	25	25	25	25	23	23
Mississippi	22	23	23	23	22	22	22	21	21	21
Missouri	35	37	38	38	39	39	41	41	42	40
Montana	4	4	4	4	4	4	4	6	4	4
Nebraska	12	11	11	11	11	11	14	13	13	10
Nevada	4	4	4	5	5	5	5	5	7	7
New Hampshire	8	7	8	11	10	11	11	10	10	10
New Jersey	41	40	38	38	39	39	39	38	38	38
New Mexico	10	11	11	11	11	11	12	13	13	14
New York	103	98	100	98	99	106	105	110	108	103
North Carolina	48	50	51	55	57	57	57	56	57	57
North Dakota	9	9	9	9	9	9	9	9	8	6
Ohio	71	72	71	71	72	71	70	69	70	67
Oklahoma	21	22	25	26	26	27	27	27	27	27
Oregon	16	16	16	16	19	18	17	17	17	18
Pennsylvania	94	95	96	95	97	98	98	98	94	92
Rhode Island	7	7	7	7	7	7	7	7	7	7
South Carolina	15	15	17	19	18	19	20	19	20	20
South Dakota	8	8	9	9	9	9	9	8	9	9
Tennessee	29	33	32	32	33	33	33	35	35	35
Texas	56	56	58	64	65	64	65	64	64	64
Utah	5	5	5	5	5	4	4	4	4	4
Vermont	4	4	4	5	5	5	5	5	5	5
Virginia	38	38	38	37	37	37	37	35	35	34
Washington	23	21	21	22	23	23	22	23	23	24
West Virginia	17	17	17	17	18	18	18	18	20	18
Wisconsin	27	29	31	31	32	33	33	32	30	29
Wyoming	3	3	3	4	5	5	5	5	6	6
American Samoa	0	0	1	1	1	1	1	1	1	1
Guam	1	1	1	1	1	1	1	1	1	1
Puerto Rico	13	16	18	19	19	19	20	20	20	22
Virgin Islands	1	1	1	2	2	2	2	2	2	2

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 4

BACCALAUREATE NURSING PROGRAMS, BY NLN REGION AND STATE: 1979 TO 1988[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS									
	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
United States	**363**	**377**	**383**	**402**	**421**	**427**	**441**	**455**	**467**	**479**
North Atlantic	95	96	101	103	105	107	107	109	110	111
Midwest	105	110	111	117	121	124	131	139	144	151
South	120	128	129	137	147	147	151	154	158	162
West	43	43	42	45	48	49	52	53	55	55
Alabama	12	12	12	13	13	13	13	13	13	13
Alaska	1	1	1	1	1	1	1	1	1	1
Arizona	2	2	2	4	4	4	4	4	4	4
Arkansas	7	7	7	7	7	7	7	7	7	7
California	19	19	18	19	20	20	21	21	21	21
Colorado	3	3	3	3	3	3	5	6	6	6
Connecticut	7	7	7	7	7	7	7	7	7	7
Delaware	2	2	2	2	2	2	2	2	2	2
District of Columbia	5	5	5	5	5	5	5	5	5	4
Florida	9	10	10	12	13	12	12	13	13	13
Georgia	8	11	9	10	13	13	13	13	12	12
Hawaii	1	1	1	1	1	2	2	2	2	2
Idaho	1	1	1	1	1	1	1	1	2	2
Illinois	19	19	20	21	22	22	22	24	24	26
Indiana	9	10	9	10	11	13	13	13	17	20
Iowa	8	9	10	10	10	10	10	11	11	11
Kansas	8	9	9	9	9	9	10	10	11	11
Kentucky	5	5	5	6	7	7	8	9	9	9
Louisiana	7	7	7	8	10	12	12	12	12	12
Maine	2	2	2	2	3	3	3	3	5	6
Maryland	5	5	5	5	6	6	6	6	6	6
Massachusetts	13	13	13	14	14	14	14	14	15	14
Michigan	12	12	12	13	13	13	13	14	14	14
Minnesota	9	9	9	10	10	10	10	11	11	11
Mississippi	7	7	7	7	7	7	7	7	7	7
Missouri	7	8	8	9	9	9	11	11	11	11
Montana	2	2	2	2	2	2	2	2	2	2
Nebraska	4	4	4	4	4	4	7	7	7	7
Nevada	1	1	1	1	1	1	1	1	2	2
New Hampshire	2	2	3	3	3	3	3	3	3	3
New Jersey	7	7	7	7	7	7	7	7	7	7
New Mexico	1	1	1	1	1	1	1	1	1	1
New York	30	30	31	31	31	32	32	33	32	33
North Carolina	11	11	12	12	12	11	12	12	12	12
North Dakota	4	4	4	4	4	4	4	4	4	6
Ohio	14	14	14	14	15	15	15	17	18	18
Oklahoma	8	9	9	10	11	11	11	11	11	11
Oregon	2	2	2	2	4	4	4	4	4	4
Pennsylvania	23	24	27	28	29	30	30	30	30	31
Rhode Island	3	3	3	3	3	3	3	3	3	3
South Carolina	4	4	4	4	4	4	6	6	6	7
South Dakota	3	3	3	3	3	3	3	3	3	3
Tennessee	6	9	9	9	9	9	9	11	12	14
Texas	18	18	20	21	21	21	21	20	20	21
Utah	3	3	3	3	3	3	3	3	3	3
Vermont	1	1	1	1	1	1	1	1	1	1
Virginia	8	9	9	9	9	9	9	9	10	10
Washington	6	6	6	6	6	6	6	6	6	6
West Virginia	4	4	4	4	5	5	5	6	8	8
Wisconsin	9	9	9	10	11	12	13	14	13	13
Wyoming	1	1	1	1	1	1	1	1	1	1
American Samoa	0	0	0	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0	0	0	1
Puerto Rico	5	8	10	11	11	11	12	12	12	13
Virgin Islands	0	0	0	1	1	1	1	1	1	1

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 5

ASSOCIATE DEGREE NURSING PROGRAMS, BY NLN REGION AND STATE: 1979 TO 1988[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS									
	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
United States	**678**	**697**	**715**	**742**	**764**	**777**	**776**	**776**	**789**	**792**
North Atlantic	120	121	119	124	129	136	137	144	147	146
Midwest	172	180	191	199	203	204	205	203	209	211
South	250	254	261	271	279	286	285	281	284	282
West	136	142	144	148	153	151	149	148	149	153
Alabama	18	18	19	20	20	20	20	20	20	20
Alaska	1	1	1	1	1	1	1	1	1	1
Arizona	12	14	14	14	13	12	12	11	11	11
Arkansas	11	11	11	11	11	11	11	11	12	12
California	61	64	66	67	71	71	69	68	67	68
Colorado	7	7	7	7	7	7	7	6	6	6
Connecticut	7	7	6	6	6	6	6	6	6	6
Delaware	3	3	3	3	3	3	3	3	3	3
District of Columbia	1	1	1	1	1	1	1	1	1	1
Florida	23	23	23	22	25	27	26	26	26	26
Georgia	20	20	20	19	19	19	19	19	19	19
Hawaii	4	4	4	4	4	4	4	4	4	4
Idaho	5	5	5	5	5	5	5	5	5	5
Illinois	33	33	33	34	34	34	34	34	34	35
Indiana	15	14	14	14	14	18	18	17	17	19
Iowa	18	18	19	20	20	20	20	20	20	20
Kansas	12	14	16	19	19	18	17	17	19	20
Kentucky	20	20	20	20	21	21	20	19	18	18
Louisiana	6	6	6	6	6	6	6	6	6	6
Maine	3	3	3	4	5	5	5	9	9	9
Maryland	13	13	14	14	14	14	14	14	14	14
Massachusetts	20	20	18	19	19	19	19	19	20	19
Michigan	24	25	29	30	33	32	32	32	32	31
Minnesota	11	12	12	12	12	12	12	12	12	12
Mississippi	13	14	14	14	14	14	14	14	14	14
Missouri	16	17	19	19	20	20	20	20	22	21
Montana	2	2	2	2	2	2	2	2	2	2
Nebraska	2	2	2	2	2	2	2	1	1	2
Nevada	3	3	3	4	4	4	4	4	5	5
New Hampshire	1	1	1	4	5	6	6	6	6	6
New Jersey	13	13	13	13	14	14	14	13	14	14
New Mexico	9	10	10	10	10	10	11	12	12	13
New York	48	46	48	47	48	54	55	59	60	59
North Carolina	30	32	32	36	38	40	40	39	41	41
North Dakota	2	2	2	2	2	2	2	2	2	0
Ohio	26	28	27	28	28	28	29	29	30	31
Oklahoma	12	12	15	15	15	16	16	16	16	16
Oregon	13	13	13	13	14	13	13	13	13	14
Pennsylvania	19	22	21	21	22	22	22	22	22	23
Rhode Island	2	2	2	2	2	2	2	2	2	2
South Carolina	10	10	12	14	13	14	13	12	13	13
South Dakota	3	3	4	4	4	4	4	4	5	5
Tennessee	16	17	16	16	17	17	17	17	17	17
Texas	32	32	33	38	40	40	42	42	42	41
Utah	2	2	2	2	2	1	1	1	1	1
Vermont	3	3	3	4	4	4	4	4	4	4
Virginia	15	15	15	15	15	15	16	16	16	16
Washington	15	15	15	16	17	17	16	17	17	18
West Virginia	11	11	11	11	11	11	11	10	10	9
Wisconsin	10	12	14	15	15	15	15	15	15	15
Wyoming	2	2	2	3	4	4	4	4	5	5
American Samoa	0	0	1	1	1	1	1	1	1	1
Guam	1	1	1	1	1	1	1	1	1	0
Puerto Rico	8	8	8	8	8	8	8	8	8	9
Virgin Islands	1	1	1	1	1	1	1	1	1	1

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 6
DIPLOMA NURSING PROGRAMS, BY NLN REGION AND STATE: 1979 TO 1988[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS									
	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
United States	**333**	**311**	**303**	**288**	**281**	**273**	**256**	**238**	**209**	**171**
North Atlantic	136	127	122	114	114	114	106	106	98	86
Midwest	127	119	115	110	107	103	97	87	71	53
South	61	58	59	57	54	51	49	43	39	31
West	9	7	7	7	6	5	4	2	1	1
Alabama	4	4	4	4	4	4	3	3	2	2
Alaska	0	0	0	0	0	0	0	0	0	0
Arizona	0	0	0	0	0	0	0	0	0	0
Arkansas	1	1	2	2	2	2	2	2	2	2
California	4	4	4	4	3	2	2	1	1	1
Colorado	2	2	2	2	2	2	2	1	0	0
Connecticut	5	5	5	5	5	5	5	5	5	5
Delaware	2	2	2	2	2	2	1	1	1	1
District of Columbia	1	1	1	0	0	0	0	0	0	0
Florida	1	1	1	1	1	1	1	1	1	1
Georgia	5	4	4	3	2	2	2	2	2	1
Hawaii	0	0	0	0	0	0	0	0	0	0
Idaho	0	0	0	0	0	0	0	0	0	0
Illinois	30	28	25	24	24	22	20	19	14	11
Indiana	7	6	6	6	6	6	6	6	6	3
Iowa	9	9	9	9	9	9	9	8	5	5
Kansas	6	4	4	3	3	3	3	3	2	2
Kentucky	2	1	1	1	1	0	0	0	0	0
Louisiana	3	3	3	3	4	4	4	4	4	3
Maine	4	4	4	4	4	4	2	2	1	0
Maryland	4	4	5	5	5	5	5	4	4	3
Massachusetts	19	18	17	15	15	15	14	13	13	11
Michigan	9	8	8	7	7	6	5	4	3	3
Minnesota	4	4	4	4	3	3	3	2	0	0
Mississippi	2	2	2	2	1	1	1	0	0	0
Missouri	12	12	11	10	10	10	10	10	9	8
Montana	0	0	0	0	0	0	0	0	0	0
Nebraska	6	5	5	5	5	5	5	5	5	1
Nevada	0	0	0	0	0	0	0	0	0	0
New Hampshire	5	4	4	4	2	2	2	1	1	1
New Jersey	21	20	18	18	18	18	18	18	17	17
New Mexico	0	0	0	0	0	0	0	0	0	0
New York	25	22	21	20	20	20	18	18	16	11
North Carolina	7	7	7	7	7	6	5	5	4	4
North Dakota	3	3	3	3	3	3	3	3	2	0
Ohio	31	30	30	29	29	28	26	23	22	18
Oklahoma	1	1	1	1	0	0	0	0	0	0
Oregon	1	1	1	1	1	1	0	0	0	0
Pennsylvania	52	49	48	46	46	46	46	46	42	38
Rhode Island	2	2	2	2	2	2	2	2	2	2
South Carolina	1	1	1	1	1	1	1	1	1	0
South Dakota	2	2	2	2	2	2	2	1	1	1
Tennessee	7	7	7	7	7	7	7	7	6	4
Texas	6	6	5	5	4	3	2	2	2	2
Utah	0	0	0	0	0	0	0	0	0	0
Vermont	0	0	0	0	0	0	0	0	0	0
Virginia	15	14	14	13	13	13	12	10	9	8
Washington	2	0	0	0	0	0	0	0	0	0
West Virginia	2	2	2	2	2	2	2	2	2	1
Wisconsin	8	8	8	6	6	6	5	3	2	1
Wyoming	0	0	0	0	0	0	0	0	0	0
American Samoa	0	0	0	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0	0	0	0
Puerto Rico	0	0	0	0	0	0	0	0	0	0
Virgin Islands	0	0	0	0	0	0	0	0	0	0

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Baccalaureate Nursing Programs: Accreditation Status (Table 7)

- The number of nursing programs offering the baccalaureate degree increased to 626 in 1988. Of these, 76.5 percent (479) admitted both basic (generic) and RN students, and 23.5 percent (147) admitted RNs only (see Figure 5).
- Of the 626 total baccalaureate programs (both basic and RN programs), 81.1 percent were accredited by NLN.

Figure 5

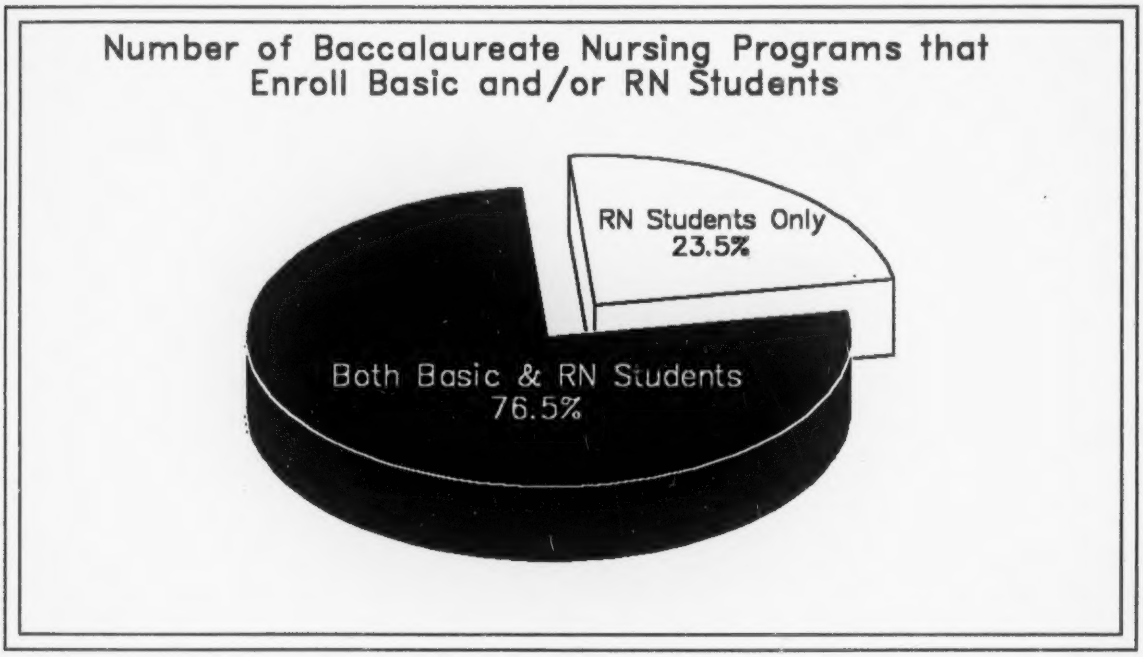


Table 7
BACCALAUREATE NURSING PROGRAMS THAT ENROLL BASIC AND/OR RN STUDENTS, BY NLN ACCREDITATION STATUS: JANUARY 1989*

NLN ACCREDITATION STATUS	TOTAL NUMBER OF PROGRAMS	TYPE OF STUDENT ENROLLED	
		Both Basic and RN Students	RN Students Only
Total	**626**	**479**	**147**
Accredited	529	429	100
Non-Accredited	97	50	47

* Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Basic Nursing Programs: Accreditation and State Data (Table 8)

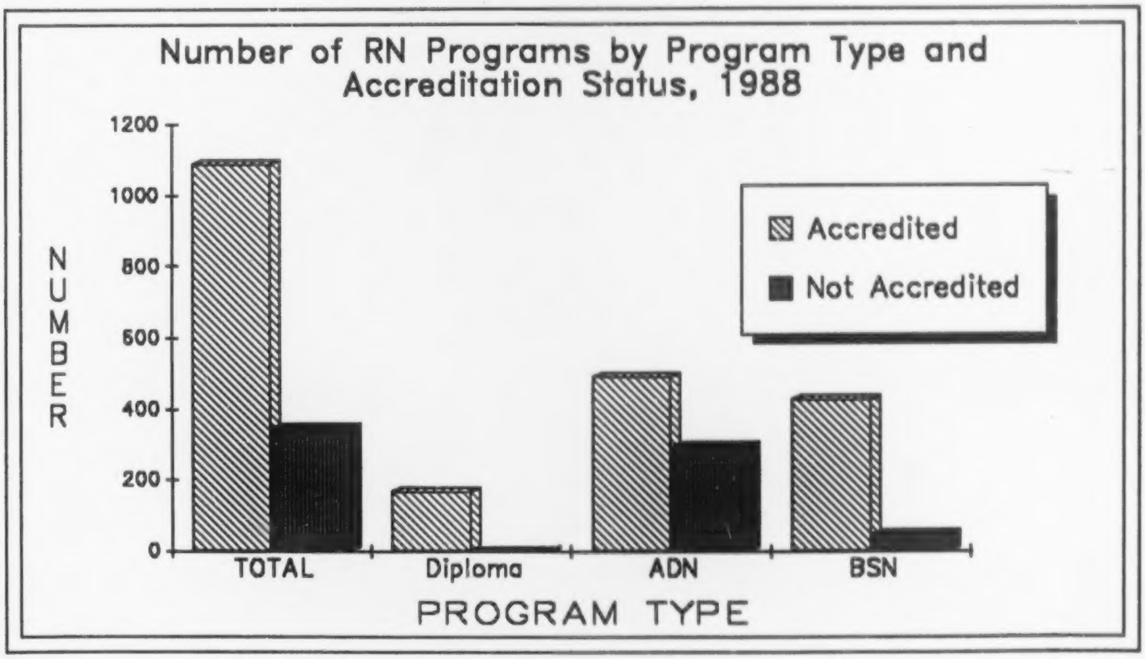
- As of January 1988, 75.7 percent of all basic RN programs (1,092) were accredited by NLN (see Figure 6).
- For each type of program, the percentage accredited by NLN is as follows:

Basic Baccalaureate	89.6%
Associate Degree	62.2%
Diploma	99 5%

- The percentage of NLN-accredited programs in each region breaks down as follows:

North Atlantic	88.6%
Midwest	73.2%
South	76.4%
West	57.9%

Figure 6



Number of RN Programs by Program Type and Accreditation Status, 1988

Table 8
BASIC RN PROGRAMS, BY TYPE OF PROGRAM, AND NLN ACCREDITATION STATUS: JANUARY, 1989[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS											
	ALL BASIC RN PROGRAMS			BACCALAUREATE PROGRAMS			ASSOCIATE DEGREE PROGRAMS			DIPLOMA PROGRAMS		
	Total	Accredited	Not Accredited	Total	Accredited	Not Accredited	Total	Accredited	Not Accredited	Total	Accredited	Not Accredited
United States	**1,442**	**1,092**	**350**	**479**	**429**	**50**	**792**	**493**	**299**	**171**	**170**	**1**
North Atlantic	343	304	39	111	108	3	146	111	35	86	85	1
Midwest	415	304	111	151	128	23	211	123	88	53	53	0
South	475	363	112	162	143	19	282	189	93	31	31	0
West	209	121	88	55	50	5	153	70	83	1	1	0
Alabama	35	34	1	13	13	0	20	19	1	2	2	0
Alaska	2	2	0	1	1	0	1	1	0	0	0	0
Arizona	15	14	1	4	4	0	11	10	1	0	0	0
Arkansas	21	18	3	7	7	0	12	9	3	2	2	0
California	90	40	50	21	20	1	68	19	49	1	1	0
Colorado	12	6	6	6	4	2	6	2	4	0	0	0
Connecticut	18	18	0	7	7	0	6	6	0	5	5	0
Delaware	6	5	1	2	2	0	3	2	1	1	1	0
District of Columbia	5	5	0	4	4	0	1	1	0	0	0	0
Florida	40	23	17	13	11	2	26	11	15	1	1	0
Georgia	32	31	1	12	11	1	19	19	0	1	1	0
Hawaii	6	4	2	2	1	1	4	3	1	0	0	0
Idaho	7	7	0	2	2	0	5	5	0	0	0	0
Illinois	72	52	20	26	21	5	35	20	15	11	11	0
Indiana	42	31	11	20	12	8	19	16	3	3	3	0
Iowa	36	19	17	11	11	0	20	3	17	5	5	0
Kansas	33	28	5	11	10	1	20	16	4	2	2	0
Kentucky	27	18	9	9	8	1	18	10	8	0	0	0
Louisiana	21	17	4	12	9	3	6	5	1	3	3	0
Maine	15	12	3	6	5	1	9	7	2	0	0	0
Maryland	23	18	5	6	6	0	14	9	5	3	3	0
Massachusetts	44	42	2	14	14	0	19	17	2	11	11	0
Michigan	48	25	23	14	14	0	31	8	23	3	3	0
Minnesota	23	18	5	11	10	1	12	8	4	0	0	0
Mississippi	21	19	2	7	7	0	14	12	2	0	0	0
Missouri	40	28	12	11	9	2	21	11	10	8	8	0
Montana	4	2	2	2	2	0	2	0	2	0	0	0
Nebraska	10	8	2	7	6	1	2	1	1	1	1	0
Nevada	7	2	5	2	1	1	5	1	4	0	0	0
New Hampshire	10	6	4	3	3	0	6	2	4	1	1	0
New Jersey	38	37	1	7	7	0	14	13	1	17	17	0
New Mexico	14	7	7	1	1	0	13	6	7	0	0	0
New York	103	86	17	33	33	0	59	43	16	11	10	1
North Carolina	57	20	37	12	12	0	41	4	37	4	4	0
North Dakota	6	4	2	6	4	2	0	0	0	0	0	0
Ohio	67	59	8	18	17	1	31	24	7	18	18	0
Oklahoma	27	27	0	11	11	0	16	16	0	0	0	0
Oregon	18	11	7	4	4	0	14	7	7	0	0	0
Pennsylvania	92	82	10	31	29	2	23	15	8	38	38	0
Rhode Island	7	7	0	3	3	0	2	2	0	2	2	0
South Carolina	20	13	7	7	5	2	13	8	5	0	0	0
South Dakota	9	7	2	3	3	0	5	3	2	1	1	0
Tennessee	35	30	5	14	9	5	17	17	0	4	4	0
Texas	64	54	10	21	20	1	41	32	9	2	2	0
Utah	4	4	0	3	3	0	1	1	0	0	0	0
Vermont	5	4	1	1	1	0	4	3	1	0	0	0
Virginia	34	29	5	10	9	1	16	12	4	8	8	0
Washington	24	18	6	6	6	0	18	12	6	0	0	0
West Virginia	18	12	6	8	5	3	9	6	3	1	1	0
Wisconsin	29	25	4	13	11	2	15	13	2	1	1	0
Wyoming	6	4	2	1	1	0	5	3	2	0	0	0
American Samoa	1	0	1	0	0	0	1	0	1	0	0	0
Guam	1	0	0	1	0	0	0	0	0	0	0	0
Puerto Rico	22	12	9	13	7	6	9	5	3	0	0	0
Virgin Islands	2	2	0	1	1	0	1	1	0	0	0	0

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

TUITIONS

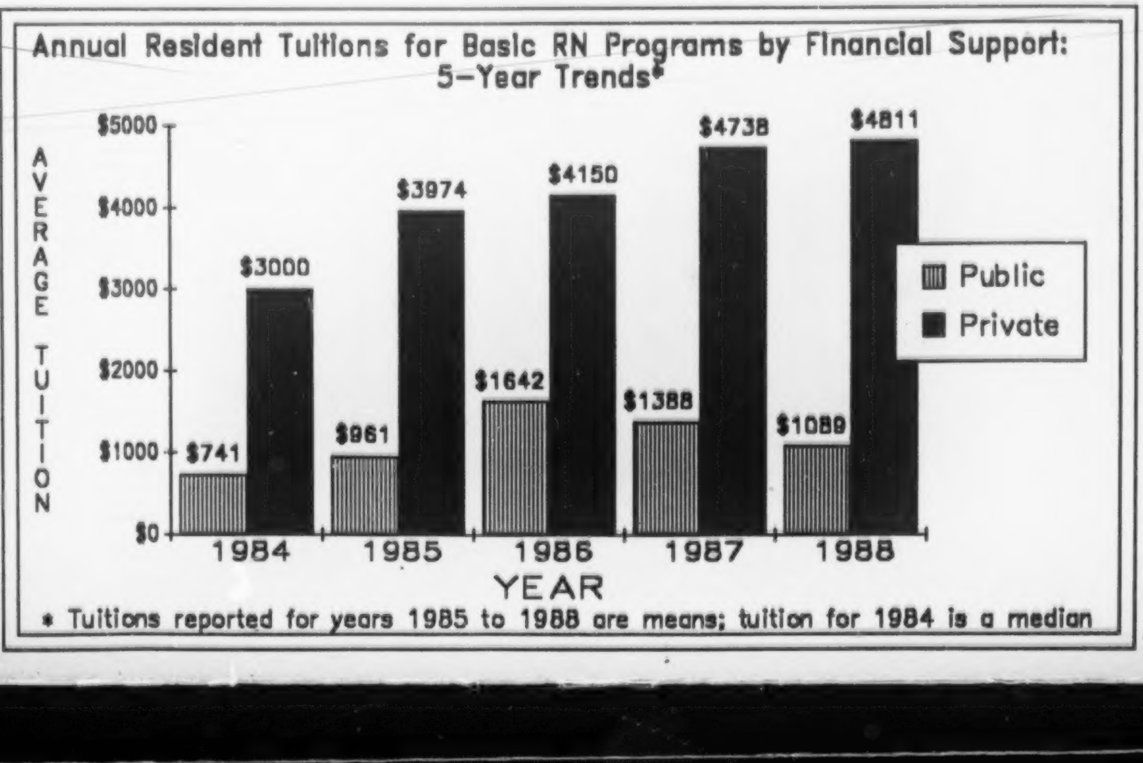
RN Programs: Tuitions (Tables 9–12)

- Tuition data are reported separately for public and private institutions since costs in publicly supported schools differ markedly from those in privately supported schools. Keep in mind the following breakdown of nursing programs by source of funding when analyzing tuition data:

Type of Program	Public	Private
Baccalaureate	50%	50%
Associate Degree	89	11
Diploma	21	79
Total	**68**	**32**

- In 1984, the NLN began reporting mean tuitions, rather than medians. The change to means will make the data more comparable to tuition data in other educational programs.
- The mean total of annual tuition in all publicly supported RN programs was $1,089 for the 1988–89 school year; in privately supported programs the figure was $4,811 (see Table 9).
- Ninety-one percent (1,319) of all basic RN programs responded to this section of the questionnaire. Broken down by program type, the response rate was 97 percent for diploma, 90 percent for associate degree programs, and 90.6 percent for basic baccalaureate programs.
- The highest mean tuition was reported among private baccalaureate programs—$6,155 (see Table 10). The lowest tuition was found among publicly funded associate degree programs—$891 (see Table 11).
- **FIVE YEAR TREND:** Mean tuitions for resident nursing students at private institutions has risen significantly since 1984 whereas mean tuitions at public institutions, while increasing slightly, has remained fairly stable (see Figure 7).

Figure 7



Annual Resident Tuitions for Basic RN Programs by Financial Support: 5–Year Trends*

* Tuitions reported for years 1985 to 1988 are means; tuition for 1984 is a median

Table 9

MEAN[1] ANNUAL TUITIONS OF FULL-TIME STUDENTS IN PUBLIC OR PRIVATE BASIC RN PROGRAMS, BY NLN REGION AND STATE: 1988-1989[2]

NLN REGION AND STATE	NUMBER OF PROGRAMS		ANNUAL TUITION	
	Public	Private	Public[3]	Private
United States	**874**	**445**	**$1,089**	**$4,811**
North Atlantic	154	165	1,532	5,152
Midwest	227	160	1,387	4,815
South	340	95	928	3,965
West	153	25	559	5,748
Alabama	25	6	958	2,939
Alaska	1	0	912	—
Arizona	12	2	603	2,105
Arkansas	18	3	1,234	1,964
California	61	10	203	7,392
Colorado	10	1	1,201	8,000
Connecticut	7	10	1,207	6,199
Delaware	4	1	1,315	5,800
District of Columbia	2	3	332	8,583
Florida	28	6	893	5,982
Georgia	26	4	1,339	5,079
Hawaii	4	1	750	6,800
Idaho	6	1	817	1,270
Illinois	33	32	1,046	5,400
Indiana	20	19	1,747	5,013
Iowa	22	11	1,607	5,413
Kansas	18	11	1,098	4,110
Kentucky	20	6	944	3,858
Louisiana	13	5	1,038	3,261
Maine	5	5	920	5,746
Maryland	18	5	1,333	3,639
Massachusetts	22	17	963	6,108
Michigan	37	8	1,381	5,110
Minnesota	14	7	1,434	8,482
Mississippi	19	2	943	4,327
Missouri	21	19	1,039	3,484
Montana	3	1	977	4,460
Nebraska	2	8	1,431	3,883
Nevada	4	0	1,040	—
New Hampshire	6	4	1,627	7,618
New Jersey	17	17	1,590	2,495
New Mexico	11	1	500	2,813
New York	51	47	1,259	5,222
North Carolina	43	6	485	4,380
North Dakota	3	3	1,063	3,857
Ohio	36	26	1,756	4,175
Oklahoma	18	6	863	3,808
Oregon	15	2	806	8,120
Pennsylvania	34	55	2,492	4,956
Rhode Island	4	3	1,161	4,867
South Carolina	16	1	1,116	2,760
South Dakota	3	6	1,028	3,780
Tennessee	23	12	1,105	4,654
Texas	45	12	496	3,511
Utah	2	2	1,670	3,880
Vermont	2	3	2,712	6,167
Virginia	19	14	1,394	3,677
Washington	18	4	784	4,554
West Virginia	9	7	764	4,185
Wisconsin	18	10	1,377	5,721
Wyoming	6	0	499	—
American Samoa	0	0	—	—
Guam	0	0	—	—
Puerto Rico	4	12	732	2,019
Virgin Islands	2	0	1,050	—

[1] The mean is the sum of the observations divided by the number of observations. These reported means of tuitions may be slightly higher than the medians reported in past years.

[2] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[3] For publicly supported programs, data on tuitions exclude students who are non-residents of state, and/or county where the school is located.

Table 10

MEAN[1] ANNUAL TUITIONS OF FULL-TIME STUDENTS IN PUBLIC OR PRIVATE BACCALAUREATE NURSING PROGRAMS, BY NLN REGION AND STATE: 1988-1989[2]

NLN REGION AND STATE	NUMBER OF PROGRAMS		ANNUAL TUITION	
	Public	Private	Public[3]	Private
United States	**212**	**227**	**$1,450**	**$6,155**
North Atlantic	35	66	1,804	7,492
Midwest	54	90	1,726	5,798
South	99	50	1,258	5,097
West	24	21	1,110	6,004
Alabama	8	2	1,251	3,247
Alaska	0	0	—	—
Arizona	2	2	959	2,105
Arkansas	6	1	1,870	4,078
California	7	8	884	7,550
Colorado	4	1	1,600	8,000
Connecticut	3	4	1,188	9,044
Delaware	1	0	2,560	—
District of Columbia	1	3	332	8,583
Florida	8	5	1,023	6,746
Georgia	7	3	1,571	6,557
Hawaii	1	1	1,130	6,800
Idaho	2	0	1,090	—
Illinois	4	22	1,802	6,281
Indiana	7	10	1,681	5,649
Iowa	1	8	1,706	6,447
Kansas	6	5	1,940	3,693
Kentucky	5	4	1,158	3,512
Louisiana	8	3	1,010	4,355
Maine	0	2	—	6,360
Maryland	4	2	1,686	6,940
Massachusetts	6	6	1,231	8,646
Michigan	9	5	2,000	5,269
Minnesota	4	6	1,862	8,752
Mississippi	5	2	1,664	4,327
Missouri	5	6	1,255	4,330
Montana	1	1	1,255	4,460
Nebraska	2	5	1,431	4,743
Nevada	1	0	640	—
New Hampshire	1	2	2,370	10,885
New Jersey	4	2	3,095	7,066
New Mexico	1	0	636	—
New York	9	22	1,214	6,975
North Carolina	8	3	869	6,410
North Dakota	3	3	1,063	3,857
Ohio	8	9	1,961	5,983
Oklahoma	5	5	1,053	4,315
Oregon	1	2	1,566	8,120
Pennsylvania	8	23	2,492	7,251
Rhode Island	2	1	1,848	8,400
South Carolina	5	1	1,563	2,760
South Dakota	1	2	1,207	5,733
Tennessee	10	4	1,241	6,728
Texas	12	7	563	3,928
Utah	1	2	1,940	3,880
Vermont	0	1	—	3,400
Virginia	6	4	2,361	5,620
Washington	2	4	1,188	4,554
West Virginia	2	4	895	5,199
Wisconsin	4	9	1,551	5,735
Wyoming	1	0	416	—
American Samoa	0	0	—	—
Guam	0	0	—	—
Puerto Rico	3	8	566	2,433
Virgin Islands	1	0	1,040	—

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[1] The mean is the sum of the observations divided by the number of observations. These reported means of tuitions may be slightly higher than the medians reported in past years

[2] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[3] For publicly supported programs, data on tuitions exclude students who are non-residents of state, and/or county where the school is located.

Table 11

MEAN[1] ANNUAL TUITIONS OF FULL-TIME STUDENTS IN PUBLIC OR PRIVATE ASSOCIATE DEGREE NURSING PROGRAMS, BY NLN REGION AND STATE: 1988-1989[2]

NLN REGION AND STATE	NUMBER OF PROGRAMS		ANNUAL TUITION	
	Public	Private	Public[3]	Private
United States	**629**	**85**	**$ 891**	**$4,520**
North Atlantic	102	34	1,178	5,067
Midwest	164	26	1,220	4,158
South	235	21	776	4,103
West	128	4	451	4,402
Alabama	16	3	776	3,386
Alaska	1	0	912	—
Arizona	10	0	531	—
Arkansas	12	0	916	—
California	53	2	94	6,763
Colorado	6	0	935	—
Connecticut	3	2	629	6,246
Delaware	2	1	878	5,800
District of Columbia	1	0	332	—
Florida	19	1	819	2,160
Georgia	19	0	1,254	—
Hawaii	3	0	623	—
Idaho	4	1	681	1,270
Illinois	28	0	870	—
Indiana	13	6	1,783	4,918
Iowa	19	0	1,427	—
Kansas	11	5	613	4,990
Kentucky	15	2	872	4,550
Louisiana	5	0	1,083	—
Maine	5	3	920	5,337
Maryland	14	0	1,232	—
Massachusetts	15	4	787	5,925
Michigan	27	1	1,162	8,300
Minnesota	10	1	1,263	6,866
Mississippi	14	0	685	—
Missouri	16	5	972	2,136
Montana	2	0	838	—
Nebraska	0	2	—	2,650
Nevada	3	0	1,174	—
New Hampshire	5	1	1,476	7,200
New Jersey	11	1	986	3,200
New Mexico	10	1	487	2,813
New York	41	15	1,235	4,312
North Carolina	33	1	331	5,330
North Dakota	0	0	—	—
Ohio	25	2	1,638	4,070
Oklahoma	13	1	790	1,275
Oregon	14	0	751	—
Pennsylvania	15	5	1,633	4,823
Rhode Island	2	0	475	—
South Carolina	11	0	913	—
South Dakota	2	3	938	2,923
Tennessee	12	5	942	4,455
Texas	33	3	471	4,429
Utah	1	0	1,400	—
Vermont	2	2	2,712	7,550
Virginia	12	3	916	5,423
Washington	16	0	733	—
West Virginia	7	2	726	3,156
Wisconsin	13	1	1,260	5,600
Wyoming	5	0	516	—
American Samoa	0	0	—	—
Guam	0	0	—	—
Puerto Rico	1	4	1,230	1,189
Virgin Islands	1	0	1,060	—

[1] The mean is the sum of the observations divided by the number of observations. These reported means of tuitions may be slightly higher than the medians reported in past years.

[2] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[3] For publicly supported programs, data on tuitions exclude students who are non-residents of state, and/or county where the school is located.

Table 12

MEAN[1] ANNUAL TUITIONS OF FULL-TIME STUDENTS IN PUBLIC OR PRIVATE DIPLOMA NURSING PROGRAMS, BY NLN REGION AND STATE: 1988-1989[2]

NLN REGION AND STATE	NUMBER OF PROGRAMS		ANNUAL TUITION	
	Public	Private	Public[3]	Private
United States	**33**	**133**	**$2,545**	**$2,702**
North Atlantic	17	65	3,097	2,820
Midwest	9	44	2,376	3,192
South	6	24	1,460	1,486
West	1	0	1,200	—
Alabama	1	1	1,525	983
Alaska	0	0	—	—
Arizona	0	0	—	—
Arkansas	0	2	—	907
California	1	0	1,200	—
Colorado	0	0	—	—
Connecticut	1	4	3,000	3,329
Delaware	1	0	943	—
District of Columbia	0	0	—	—
Florida	1	0	1,256	—
Georgia	0	1	—	645
Hawaii	0	0	—	—
Idaho	0	0	—	—
Illinois	1	10	2,946	3,462
Indiana	0	3	—	3,082
Iowa	2	3	3,269	2,656
Kansas	1	1	1,379	1,760
Kentucky	0	0	—	—
Louisiana	0	2	—	1,621
Maine	0	0	—	—
Maryland	0	3	—	1,439
Massachusetts	1	7	2,000	4,036
Michigan	1	2	1,732	3,117
Minnesota	0	0	—	—
Mississippi	0	0	—	—
Missouri	0	8	—	3,693
Montana	0	0	—	—
Nebraska	0	1	—	2,050
Nevada	0	0	—	—
New Hampshire	0	1	—	1,500
New Jersey	2	14	1,895	1,792
New Mexico	0	0	—	—
New York	1	10	2,625	2,729
North Carolina	2	2	1,477	860
North Dakota	0	0	—	—
Ohio	3	15	2,200	3,105
Oklahoma	0	0	—	—
Oregon	0	0	—	—
Pennsylvania	11	27	3,663	3,025
Rhode Island	0	2	—	3,100
South Carolina	0	0	—	—
South Dakota	0	1	—	2,445
Tennessee	1	3	1,700	2,222
Texas	0	2	—	678
Utah	0	0	—	—
Vermont	0	0	—	—
Virginia	1	7	1,322	1,819
Washington	0	0	—	—
West Virginia	0	1	—	2,184
Wisconsin	1	0	2,194	—
Wyoming	0	0	—	—
American Samoa	0	0	—	—
Guam	0	0	—	—
Puerto Rico	0	0	—	—
Virgin Islands	0	0	—	—

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[1] The mean is the sum of the observations divided by the number of observations.

[2] National and regional totals exclude American Samoa, Puerto Rico, and the Virgin Islands.

[3] For publicly supported programs, data on tuitions exclude students who are non-residents of state, or county where the school is located.

ADMISSIONS

Fall Admissions, by Type of Financial Support (Table 13)

- After 5 years of decline, fall admissions—the number of first-time nursing students admitted between August and December 1988—increased 9 percent over the previous year.

- Overall, private institutions experienced a whopping 10.8 percent increase in fall admissions since 1987 whereas public institutions reported a modest 3.5 percent increase during the same time.

- All program types reported increases in fall admissions in 1988. Baccalaureate programs reported an improvement of 3.8 percent , associate degree programs gained 12.5 percent and diploma programs gained 2.8 percent.

- **TEN-YEAR TREND:** Fall admissions grew between 1979 and 1982 and then steadily decreased until the present year. Between 1982 and 1988, fall admissions fell over 20 percent.

Table 13
FALL ADMISSIONS TO PUBLIC AND PRIVATE BASIC RN PROGRAMS, BY TYPE OF PROGRAM: 1979 TO 1988[1]

PUBLIC AND PRIVATE NURSING PROGRAMS	NUMBER OF FALL ADMISSIONS									
	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
All Programs	**88,351**	**90,377**	**91,722**	**94,680**	**94,539**	**91,085**	**83,026**	**70,581**	**68,745**	**74,921**
Public	58,281	59,454	59,477	62,930	62,609	61,880	57,018	50,417	51,362	56,922
Private	30,070	30,923	32,245	31,750	31,930	29,205	26,008	20,164	17,383	17,999
Baccalaureate	29,994	29,916	28,094	28,982	29,256	28,973	28,883	23,765	19,985	20,749
Public	18,262	18,096	16,541	17,819	17,098	17,315	16,239	13,356	12,806	13,122
Private	11,732	11,820	11,553	11,163	12,158	11,658	12,644	10,409	7,179	7,627
Associate Degree	42,676	44,384	46,855	48,626	49,848	48,855	44,966	40,166	41,695	46,910
Public	38,308	39,704	41,258	43,183	43,533	42,754	39,617	36,070	37,389	42,357
Private	4,368	4,680	5,597	5,443	6,315	5,601	5,349	4,096	4,306	4,553
Diploma	15,681	16,077	16,773	17,072	15,435	13,757	9,177	6,650	7,065	7,262
Public	1,711	1,654	1,678	1,928	1,978	1,811	1,162	991	1,167	1,443
Private	13,970	14,423	15,095	15,144	13,457	11,946	8,015	5,659	5,898	5,819

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands

Annual Admissions to Basic RN Programs (Tables 14–20)

- For the first time since 1983–84, annual admissions—the number of first-time nursing students admitted from July 1987 to August 1988—increased almost 4 percent to 94,269. (see Table 14 and Figure 8).

- Baccalaureate programs registered a 1.7 percent increase in annual admissions. Associate degree programs reported a 5.6 percent improvement and annual admissions to diploma programs grew 0.6 percent (see Table 14).

- While the total number of annual admissions grew between 1986–87 and 1987–88, annual admissions to private institutions declined almost 2 percent whereas admissions to public institutions grew 6 percent (see Table 15 and Figure 9).

- The number of annual admissions to all basic RN programs increased in all but the Midwest region. The largest gains were reported in the South (9.3%), followed by the West (4.7%) and North Atlantic (3.0%) (see Table 16).

- A regional breakdown indicates that the South had 34.3 percent of the total admissions in 1987–88. The North Atlantic reported 25.2 percent of the total; the Midwest, 26.1 percent; and the West, 14.3 percent (see Table 16).

- Annual admissions to baccalaureate programs registered at 28,505 in 1987–88. The South and West reported increases whereas decreases were reported in the Midwest and North Atlantic (see Table 17).

- All regions except the Midwest, experienced growth in annual admissions to associate degree programs. Annual admissions in the Midwest remained essentially unchanged (see Table 18).

- The South and West regions reported increases in admissions to diploma programs (20.6% and 6.4% respectively) (see Table 19). The Midwest reported an 11.8 percent drop in admissions and the North Atlantic experienced a slight dip.

- Of the 94,269 total admissions to all basic RN programs, 81 percent (76,838) were in programs accredited by NLN. A breakdown by program type reveals that 95 percent of the baccalaureate annual admissions and 100 percent of the annual admissions to diploma programs were in NLN-accredited programs. However, only 72 percent of associate degree admissions came from accredited programs (see Table 20).

- **TEN-YEAR TREND:** Overall annual admissions decreased 12.3 percent over the last decade. The trend reveals growth between 1978–79 and 1983–84 followed by dramatic decreases for 3 years. 1987–88 marks the first year of improvement since the peak in 1983–84.

Figure 8

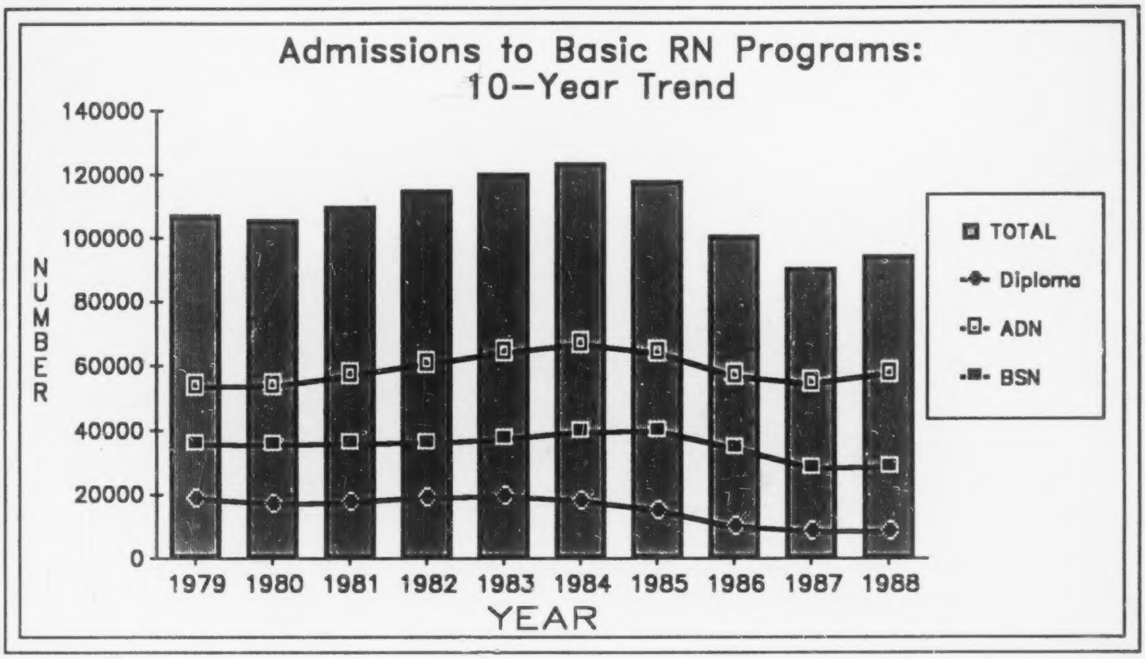
Admissions to Basic RN Programs:
10–Year Trend
NUMBER
140000
120000
100000
80000
60000
40000
20000
0
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
YEAR
TOTAL
Diploma
ADN
BSN

Figure 9

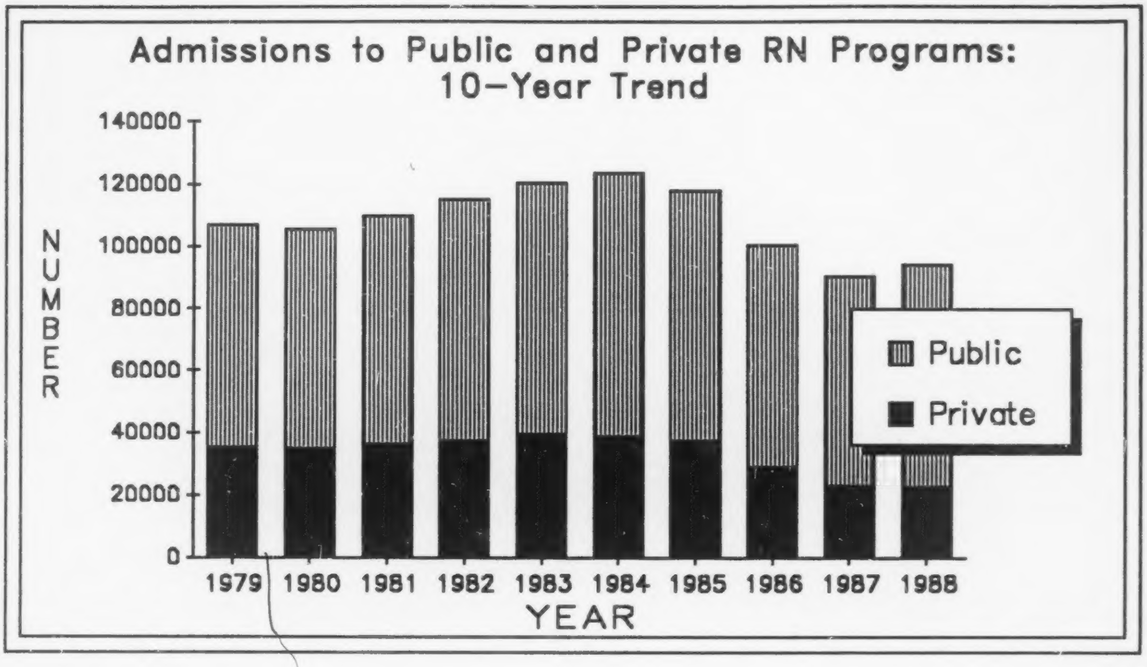
Admissions to Public and Private RN Programs: 10–Year Trend

Table 14

ANNUAL ADMISSIONS TO BASIC RN PROGRAMS AND PERCENTAGE OF CHANGE FROM PREVIOUS YEAR, BY TYPE OF PROGRAM: 1968-69 TO 1987-88[1]

ACADEMIC YEAR	ALL BASIC RN PROGRAMS		BACCALAUREATE PROGRAMS		ASSOCIATE DEGREE PROGRAMS		DIPLOMA PROGRAMS	
	Number of Admissions	Percent Change	Number of Admissions	Percent Change	Number of Admissions	Percent Change	Number of Admissions	Percent Change
1968-69	63,408	+4.5	15,901	+7.3	18,536	+27.2	28,971	−7.4
1969-70	74,598	+17.6	18,942	+19.1	25,142	+35.6	30,514	+5.3
1970-71	78,524	+5.3	20,299	+7.2	29,433	+17.1	28,792	−5.6
1971-72	93,344	+18.9	27,228	+34.1	36,454	+23.8	29,662	+3.0
1972-73	103,789	+11.2	30,348	+11.5	43,733	+20.0	29,708	+0.1
1973-74	107,344	+3.4	32,461	+7.0	47,940	+9.6	26,943	−9.3
1974-75	109,020	+1.6	34,956	+7.7	49,368	+3.0	24,696	−8.3
1975-76	112,174	+2.9	36,320	+3.9	52,232	+5.8	23,622	−4.3
1976-77	112,523	+0.3	36,670	+1.0	53,610	+2.6	22,243	−5.8
1977-78	110,950	−1.4	37,348	+1.8	52,991	−1.1	20,611	−7.3
1978-79	107,476	−3.2	35,611	−4.7	53,366	+0.7	18,499	−10.2
1979-80	105,952	−1.4	35,414	−0.5	53,633	+0.5	16,905	−8.6
1980-81	110,201	+4.0	35,808	+1.1	56,899	+6.1	17,494	+3.5
1981-82	115,279	+4.6	35,928	+0.3	60,423	+6.1	18,928	+8.1
1982-83	120,579	+4.6	37,264	+3.7	63,947	+5.8	19,368	+2.3
1983-84	123,824	+2.7	39,400	+5.7	66,576	+4.1	17,848	−7.8
1984-85	118,224	−4.5	39,573	+0.4	63,776	−4.2	14,875	−16.7
1985-86	100,791	−14.7	34,310	−13.3	56,635	−11.2	9,846	−33.0
1986-87	90,693	−10.0	28,026	−18.3	54,330	−4.1	8,337	−15.3
1987-88	94,269	+3.9	28,505	+1.7	57,375	+5.6	8,389	+0.6

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[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 15

ANNUAL ADMISSIONS TO PUBLIC AND PRIVATE BASIC RN PROGRAMS, BY TYPE OF PROGRAM: 1978-79 TO 1987-88[1]

PUBLIC AND PRIVATE NURSING PROGRAMS	NUMBER OF ANNUAL ADMISSIONS									
	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
All Programs	**107,476**	**105,952**	**110,201**	**115,279**	**120,579**	**123,824**	**118,224**	**100,791**	**90,693**	**94,269**
Public	72,447	71,196	74,238	78,305	81,518	85,474	81,198	71,921	67,890	71,866
Private	35,029	34,756	35,923	36,974	39,061	38,350	37,026	28,870	22,803	22,403
Baccalaureate	35,611	35,414	35,808	35,928	37,264	39,400	39,573	34,310	28,026	28,505
Public	21,948	21,454	21,963	22,502	23,226	23,803	23,871	19,747	18,057	18,622
Private	13,663	13,960	13,845	13,426	14,038	15,597	15,702	14,563	9,969	9,883
Associate Degree	53,366	53,633	56,899	60,423	63,947	66,576	63,776	56,635	54,330	57,375
Public	48,178	47,593	50,260	53,280	55,473	59,209	55,150	50,549	48,249	51,566
Private	5,188	6,040	6,639	7,143	8,474	7,367	8,626	6,086	6,081	5,809
Diploma	18,499	16,905	17,494	18,928	19,368	17,848	14,875	9,846	8,337	8,389
Public	2,321	2,149	2,015	2,523	2,819	2,462	2,177	1,625	1,584	1,678
Private	16,178	14,756	15,479	16,405	16,549	15,386	12,698	8,221	6,753	6,711

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 16

ANNUAL ADMISSIONS TO ALL BASIC RN PROGRAMS, BY NLN REGION AND STATE: 1978-79 TO 1987-88[1]

NLN REGION AND STATE	NUMBER OF ADMISSIONS									
	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
United States	**107,476**	**105,941**	**110,201**	**115,279**	**120,579**	**123,824**	**118,224**	**100,791**	**90,693**	**94,269**
North Atlantic	30,004	29,149	29,185	29,530	31,537	31,964	31,738	27,818	23,069	23,792
Midwest	30,351	30,428	32,133	35,083	35,083	35,630	33,478	27,305	25,151	24,647
South	33,450	32,722	33,866	35,463	38,760	39,576	38,089	31,702	29,632	32,380
West	13,671	13,653	15,017	15,203	15,199	16,654	14,919	13,966	12,841	13,450
Alabama	2,737	2,393	2,744	2,754	3,297	3,139	3,074	2,158	2,149	2,003
Alaska	141	178	152	152	169	135	188	171	166	166
Arizona	1,093	1,185	1,266	1,159	1,401	1,518	1,213	1,024	962	970
Arkansas	1,006	1,143	1,291	1,425	1,375	1,312	1,143	937	983	1,327
California	6,471	6,626	7,596	7,363	7,263	7,921	7,568	7,013	6,098	6,320
Colorado	968	775	929	864	1,208	996	854	787	942	873
Connecticut	1,412	1,361	1,372	1,336	1,359	1,462	1,372	1,266	1,012	1,200
Delaware	493	479	508	523	597	541	416	413	339	370
District of Columbia	680	700	727	840	563	519	628	627	334	449
Florida	3,425	3,422	3,818	4,178	4,269	4,232	4,269	3,508	3,426	3,651
Georgia	2,359	1,935	1,991	2,206	2,358	2,448	2,953	2,060	1,805	2,075
Hawaii	219	243	244	219	288	240	262	372	183	345
Idaho	383	335	347	432	368	342	298	303	274	391
Illinois	5,838	5,705	5,882	6,355	6,393	6,710	5,881	5,255	4,422	3,840
Indiana	2,590	2,596	2,872	2,643	3,180	3,312	3,055	2,551	2,480	2,496
Iowa	1,994	2,087	2,054	2,290	2,454	2,281	2,206	1,625	1,661	1,668
Kansas	1,277	1,263	1,295	1,383	1,434	1,716	1,571	1,131	957	1,165
Kentucky8	1,823	1,856	1,820	1,854	1,970	2,195	2,180	2,236	1,683	1,879
Louisiana	1,744	1,732	1,573	1,838	1,929	2,096	2,062	1,768	1,432	1,558
Maine	546	578	607	555	625	663	650	490	433	421
Maryland	1,849	1,781	1,960	2,022	2,266	2,243	2,313	1,788	1,483	1,449
Massachusetts	3,577	3,429	3,527	3,690	4,057	3,627	3,558	3,065	2,700	2,545
Michigan	3,980	3,959	4,137	4,255	4,214	4,525	4,820	3,893	3,872	3,521
Minnesota	2,196	2,205	2,326	2,343	2,340	2,222	1,779	1,343	1,431	1,570
Mississippi	1,398	1,453	1,518	1,610	1,794	1,905	1,825	1,524	1,503	1,440
Missouri	2,434	2,460	2,499	2,711	2,668	2,797	2,430	2,081	2,087	1,962
Montana	306	337	366	420	459	426	312	305	284	322
Nebraska	843	923	1,050	1,114	1,029	870	1,366	567	749	663
Nevada	205	211	242	263	249	281	251	204	199	268
New Hampshire	346	436	440	441	506	586	523	412	372	422
New Jersey	3,271	3,317	3,192	3,266	3,653	3,536	4,016	3,275	2,521	2,890
New Mexico	457	468	533	669	601	614	552	421	455	731
New York	12,247	11,674	11,251	11,044	11,899	12,438	12,601	11,845	9,401	9,122
North Carolina	2,762	3,004	2,965	2,962	3,179	3,471	3,007	2,796	2,920	2,881
North Dakota	625	519	650	678	603	548	609	327	225	191
Ohio	5,483	5,476	5,883	6,763	6,630	7,047	6,302	5,203	4,767	4,960
Oklahoma	1,116	1,237	1,337	1,317	1,390	1,385	1,182	1,232	1,244	1,335
Oregon	979	1,003	1,047	953	981	1,191	1,031	924	953	875
Pennsylvania	6,324	6,171	6,570	6,731	7,156	7,224	6,739	5,742	5,335	5,758
Rhode Island	823	739	726	831	822	1,063	962	522	440	402
South Carolina	1,184	1,013	1,006	1,356	1,391	1,472	1,587	1,231	1,031	1,239
South Dakota	665	573	636	716	720	718	628	361	629	542
Tennessee	2,512	2,557	2,984	3,220	3,069	2,974	3,099	2,341	2,179	2,848
Texas	5,784	5,631	5,121	4,998	5,977	6,192	5,514	5,053	4,758	5,631
Utah	507	454	435	698	439	652	447	473	345	450
Vermont	285	265	265	273	336	305	273	211	182	213
Virginia	2,541	2,481	2,546	2,515	2,901	2,878	2,588	2,024	2,035	2,149
Washington	1,806	1,701	1,734	1,886	1,587	2,158	1,730	1,751	1,769	1,544
West Virginia	1,080	1,084	1,192	1,208	1,559	1,634	1,293	1,046	1,001	915
Wisconsin	2,556	2,662	2,849	3,832	3,399	2,884	2,831	2,968	1,871	2,069
Wyoming	136	137	126	125	205	180	195	168	211	195
American Samoa	0	0	0	18	18	0	0	34	11	11
Guam	35	11	20	28	41	39	19	29	29	0
Puerto Rico	1,186	1,387	1,809	1,553	1,880	1,748	2,134	3,263	3,048	1,945
Virgin Islands	20	18	27	18	15	31	26	28	36	19

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands

Table 17

ANNUAL ADMISSIONS TO BACCALAUREATE NURSING PROGRAMS, BY NLN REGION AND STATE: 1978-79 TO 1987-88[1]

REGION AND STATE	NUMBER OF ADMISSIONS									
	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
United States	**35,611**	**35,414**	**35,808**	**35,928**	**37,264**	**39,400**	**39,573**	**34,310**	**28,026**	**28,505**
North Atlantic	10,767	10,670	10,244	10,050	10,273	10,347	10,987	9,491	6,545	6,449
Midwest	9,030	9,355	9,817	10,614	10,715	10,822	10,846	9,704	8,394	8,267
South	11,524	11,125	11,372	11,040	11,679	12,877	12,866	10,584	9,064	9,666
West	4,290	4,264	4,375	4,224	4,597	5,354	4,874	4,531	4,023	4,123
Alabama	1,390	1,140	1,356	1,348	1,318	1,437	1,367	861	976	834
Alaska	99	138	112	112	104	95	126	132	126	126
Arizona	450	506	504	423	695	719	455	314	279	270
Arkansas	307	396	458	451	430	292	313	258	289	310
California	1,675	1,665	1,754	1,621	1,756	2,111	2,142	2,083	1,746	1,720
Colorado	400	355	385	397	546	382	361	347	398	299
Connecticut	533	492	484	521	474	527	520	374	349	516
Delaware	231	223	250	268	295	262	209	171	117	117
District of Columbia	521	532	567	491	443	397	508	562	255	359
Florida	677	661	748	711	812	867	994	926	714	652
Georgia	664	382	466	624	589	753	925	725	503	561
Hawaii	84	90	78	65	144	73	115	147	119	170
Idaho	112	55	58	48	43	52	45	45	44	78
Illinois	1,342	1,419	1,470	1,732	1,703	1,775	1,603	1,694	1,354	1,162
Indiana	934	900	996	698	1,291	1,490	1,224	1,207	1,082	1,116
Iowa	537	558	528	635	579	569	596	451	394	377
Kansas	507	523	572	544	530	596	520	436	353	403
Kentucky	325	292	286	322	385	543	612	977	554	607
Louisiana	859	805	724	843	738	1,017	996	974	790	911
Maine	187	208	220	167	183	275	329	206	205	226
Maryland	554	503	537	500	627	640	772	612	466	388
Massachusetts	1,258	1,308	1,381	1,315	1,657	1,345	1,388	1,114	823	715
Michigan	1,256	1,236	1,309	1,176	1,161	1,287	1,301	1,100	1,177	1,069
Minnesota	720	754	685	624	677	639	549	503	437	445
Mississippi	411	476	469	520	562	631	638	407	362	322
Missouri	576	624	705	655	584	669	650	631	569	601
Montana	221	253	264	244	307	280	199	187	176	220
Nebraska	123	229	247	254	299	202	721	346	608	538
Nevada	58	50	48	61	58	67	61	42	43	71
New Hampshire	161	182	199	218	209	165	161	117	110	81
New Jersey	858	945	708	756	838	702	1,168	1,027	528	681
New Mexico	79	89	102	204	153	134	96	26	55	77
New York	4,340	4,090	3,586	3,441	3,392	3,434	3,627	3,669	2,339	1,957
North Carolina	885	1,090	1,028	814	788	968	779	587	837	553
North Dakota	274	213	340	327	328	227	331	179	162	191
Ohio	1,308	1,347	1,319	1,367	1,598	1,747	1,820	1,389	1,265	1,219
Oklahoma	346	487	555	462	521	560	428	455	372	407
Oregon	194	223	236	119	118	413	359	292	370	288
Pennsylvania	2,088	2,139	2,318	2,282	2,271	2,420	2,329	2,025	1,611	1,618
Rhode Island	487	456	430	492	405	719	646	203	152	104
South Carolina	450	352	354	448	338	592	778	469	282	355
South Dakota	310	274	276	299	280	329	255	143	140	181
Tennessee	761	787	1,064	1,112	881	801	1,081	629	576	1,000
Texas	2,565	2,554	2,253	1,891	2,310	2,261	2,029	1,698	1,517	1,728
Utah	139	104	99	203	68	254	201	212	170	231
Vermont	103	95	101	99	106	101	102	73	56	75
Virginia	951	957	836	766	1,029	985	856	662	587	753
Washington	713	668	689	684	534	729	641	601	419	514
West Virginia	249	243	238	228	351	530	299	344	239	285
Wisconsin	1,273	1,278	1,370	2,303	1,685	1,292	1,276	1,625	853	965
Wyoming	66	68	46	43	71	45	73	53	78	59
American Samoa	0	0	0	0	0	0	0	0	0	–
Guam	0	0	0	0	0	0	0	0	0	0
Puerto Rico	476	621	967	825	1,069	1,067	1,587	2,466	2,335	1,301
Virgin Islands	0	0	0	0	1	6	10	10	18	9

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 18

ANNUAL ADMISSIONS TO ASSOCIATE DEGREE NURSING PROGRAMS, BY NLN REGION AND STATE: 1978-79 TO 1987-88[1]

NLN REGION AND STATE	NUMBER OF ANNUAL ADMISSIONS									
	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
United States	**53,366**	**53,633**	**56,899**	**60,423**	**63,947**	**66,576**	**63,776**	**56,635**	**54,330**	**57,375**
North Atlantic	12,728	12,559	12,736	12,965	14,128	14,875	14,889	14,089	12,800	13,592
Midwest	13,376	13,913	14,904	16,276	16,397	17,455	16,807	14,012	13,974	13,927
South	18,489	18,374	19,240	20,816	23,321	23,330	22,307	19,285	18,894	20,695
West	8,773	8,787	10,019	10,366	10,101	10,916	9,773	9,249	8,662	9,161
Alabama	1,192	1,085	1,227	1,230	1,793	1,535	1,584	1,265	1,139	1,136
Alaska	42	40	40	40	65	40	62	39	40	40
Arizona	643	679	762	736	706	799	776	710	683	700
Arkansas	601	644	677	792	759	811	661	576	543	705
California	4,395	4,552	5,411	5,313	5,229	5,535	5,196	4,744	4,196	4,434
Colorado	485	347	464	407	581	505	451	440	544	574
Connecticut	517	532	534	503	550	588	535	712	442	457
Delaware	184	173	174	175	203	216	187	224	205	236
District of Columbia	100	125	160	349	120	122	120	65	79	90
Florida	2,570	2,594	3,000	3,335	3,276	3,205	3,144	2,513	2,636	2,920
Georgia	1,396	1,301	1,359	1,384	1,568	1,493	1,890	1,233	1,215	1,420
Hawaii	135	153	166	154	144	167	147	225	64	175
Idaho	271	280	289	384	325	290	253	258	230	313
Illinois	2,875	2,927	3,085	3,149	3,285	3,586	3,142	2,847	2,723	2,418
Indiana	1,279	1,321	1,444	1,519	1,456	1,370	1,365	1,041	1,076	1,263
Iowa	890	1,032	1,025	1,053	1,248	1,125	1,246	968	1,006	1,124
Kansas	516	551	605	706	709	909	885	608	580	733
Kentucky	1,370	1,446	1,426	1,472	1,585	1,652	1,568	1,259	1,129	1,272
Louisiana	577	635	528	665	795	742	713	457	438	412
Maine	227	218	231	273	286	290	238	260	228	195
Maryland	1,084	1,091	1,183	1,244	1,346	1,306	1,226	1,077	899	927
Massachusetts	1,306	1,246	1,267	1,406	1,474	1,472	1,570	1,517	1,479	1,482
Michigan	2,166	2,195	2,253	2,541	2,537	2,919	3,155	2,489	2,451	2,298
Minnesota	1,210	1,188	1,339	1,455	1,412	1,364	1,133	840	994	1,125
Mississippi	965	918	989	1,054	1,202	1,235	1,187	1,117	1,141	1,118
Missouri	881	901	887	1,040	1,037	1,123	1,022	938	1,032	860
Montana	85	84	102	176	152	146	113	118	108	102
Nebraska	282	297	310	324	304	237	265	70	83	71
Nevada	147	161	194	202	191	214	190	162	156	197
New Hampshire	70	109	108	159	218	343	316	251	248	341
New Jersey	1,483	1,527	1,572	1,498	1,656	1,534	1,538	1,267	1,156	1,340
New Mexico	378	379	431	465	448	480	456	395	400	654
New York	6,740	6,490	6,506	6,365	7,242	7,395	8,036	7,521	6,592	6,743
North Carolina	1,561	1,629	1,676	1,826	2,082	2,171	1,960	2,042	1,969	2,150
North Dakota	125	137	144	134	133	155	156	89	63	–
Ohio	2,185	2,279	2,589	2,961	2,704	3,165	2,908	2,689	2,608	2,705
Oklahoma	707	727	751	824	869	825	754	777	872	928
Oregon	661	660	699	710	721	778	672	632	583	587
Pennsylvania	1,674	1,755	1,799	1,811	1,935	1,974	1,938	1,884	1,998	2,309
Rhode Island	245	214	221	252	250	237	240	250	247	261
South Carolina	700	641	624	865	1,021	844	803	749	740	884
South Dakota	233	194	226	271	296	277	289	186	385	305
Tennessee	1,270	1,246	1,304	1,422	1,336	1,451	1,266	1,261	1,301	1,432
Texas	2,773	2,709	2,508	2,690	3,363	3,777	3,341	3,245	3,111	3,764
Utah	368	350	336	495	371	398	246	267	175	219
Vermont	182	170	164	174	230	204	171	138	126	138
Virginia	1,018	1,007	1,177	1,194	1,237	1,316	1,325	1,073	1,150	1,077
Washington	1,093	1,033	1,045	1,202	1,053	1,429	1,089	1,150	1,350	1,030
West Virginia	705	701	811	819	1,053	967	885	641	611	550
Wisconsin	734	891	997	1,123	1,257	1,225	1,241	1,247	973	1,025
Wyoming	70	69	80	82	134	135	122	115	133	136
American Samoa	0	0	0	18	18	0	0	34	11	11
Guam	35	11	20	28	41	39	29	29	29	–
Puerto Rico	710	766	842	728	811	681	547	797	713	644
Virgin Islands	20	18	27	18	14	25	216	18	18	10

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 19

ANNUAL ADMISSIONS TO DIPLOMA NURSING PROGRAMS, BY NLN REGION AND STATE: 1978-79 TO 1987-88[1]

REGION AND STATE	NUMBER OF ANNUAL ADMISSIONS									
	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
United States	**18,499**	**16,905**	**17,494**	**18,928**	**19,368**	**17,848**	**14,875**	**9,846**	**8,337**	**8,389**
North Atlantic	6,509	5,920	6,205	6,515	7,136	6,742	5,862	4,238	3,724	3,751
Midwest	7,945	7,160	7,412	8,193	7,971	7,353	5,825	3,589	2,783	2,453
South	3,437	3,223	3,254	3,607	3,760	3,369	2,916	1,833	1,674	2,019
West	608	602	623	613	501	384	272	186	156	166
Alabama	155	168	161	176	186	167	123	32	34	33
Alaska	0	0	0	0	0	0	0	0	0	–
Arizona	0	0	0	0	0	0	0	0	0	–
Arkansas	98	103	156	182	186	209	169	103	151	312
California	401	409	431	429	278	275	230	186	156	166
Colorado	83	73	80	60	81	109	42	0	0	–
Connecticut	362	337	354	312	335	347	317	180	221	227
Delaware	78	83	84	80	99	63	20	18	17	17
District of Columbia	59	43	0	0	0	0	0	0	0	–
Florida	178	167	70	132	181	160	131	69	76	79
Georgia	299	252	166	198	201	202	138	102	87	94
Hawaii	0	0	0	0	0	0	0	0	0	–
Idaho	0	0	0	0	0	0	0	0	0	–
Illinois	1,621	1,359	1,327	1,474	1,405	1,349	1,136	714	345	260
Indiana	377	375	432	426	433	452	466	303	322	117
Iowa	567	497	501	602	627	587	364	206	261	167
Kansas	254	189	118	133	195	211	166	87	24	29
Kentucky	128	118	108	60	0	0	0	0	0	–
Louisiana	308	292	321	330	396	337	353	337	204	235
Maine	132	152	156	115	156	98	83	24	0	–
Maryland	211	187	240	278	293	297	315	99	118	134
Massachusetts	1,013	875	879	969	926	810	600	434	398	348
Michigan	558	528	575	538	516	319	364	304	244	154
Minnesota	266	263	302	264	251	219	97	0	0	–
Mississippi	22	59	60	36	30	39	0	0	0	–
Missouri	977	935	907	1,016	1,047	1,005	758	512	486	501
Montana	0	0	0	0	0	0	0	0	0	–
Nebraska	438	397	493	536	426	431	380	151	58	54
Nevada	0	0	0	0	0	0	0	0	0	–
New Hampshire	115	145	133	64	79	78	46	44	14	0
New Jersey	930	845	912	1,012	1,159	1,300	1,310	981	837	869
New Mexico	0	0	0	0	0	0	0	0	0	–
New York	1,167	1,094	1,159	1,238	1,265	1,109	938	655	470	422
North Carolina	316	285	261	322	309	332	268	167	114	178
North Dakota	226	169	166	217	142	166	122	59	0	–
Ohio	1,990	1,850	1,975	2,435	2,328	2,135	1,574	1,125	894	1,036
Oklahoma	63	23	31	31	0	0	0	0	0	–
Oregon	124	120	112	124	142	0	0	0	0	–
Pennsylvania	2,562	2,277	2,453	2,638	2,950	2,830	2,472	1,833	1,726	1,831
Rhode Island	91	69	75	87	167	107	76	69	41	37
South Carolina	34	20	28	43	32	36	6	13	9	–
South Dakota	122	105	134	146	144	112	84	32	104	56
Tennessee	481	524	616	686	852	722	753	451	302	416
Texas	446	368	360	417	304	154	144	110	130	139
Utah	0	0	0	0	0	0	0	0	0	–
Vermont	0	0	0	0	0	0	0	0	0	–
Virginia	572	517	533	555	635	577	407	289	298	319
Washington	0	0	0	0	0	0	0	0	0	–
West Virginia	126	140	143	161	155	137	109	61	151	80
Wisconsin	549	493	482	406	457	367	314	96	45	79
Wyoming	0	0	0	0	0	0	0	0	0	–
American Samoa	0	0	0	0	0	0	0	0	0	–
Guam	0	0	0	0	0	0	0	0	0	–
Puerto Rico	0	0	0	0	0	0	0	0	0	–
Virgin Islands	0	0	0	0	0	0	0	0	0	–

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 20

ANNUAL ADMISSIONS TO BASIC RN PROGRAMS, BY TYPE OF PROGRAM AND NLN ACCREDITATION STATUS: AUGUST 1, 1987 TO JULY 31, 1988[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS	NUMBER OF ANNUAL ADMISSIONS											
		ALL BASIC RN PROGRAMS			BACCALAUREATE PROGRAMS			ASSOCIATE DEGREE PROGRAMS			DIPLOMA PROGRAMS		
		Total	Accredited	Not Accredited	Total	Accredited	Not Accredited	Total	Accredited	Not Accredited	Total	Accredited	Not Accredited
United States	**1,442**	**94,269**	**76,838**	**17,431**	**28,505**	**27,100**	**1,405**	**57,375**	**41,349**	**16,026**	**8,389**	**8,389**	**0**
North Atlantic	343	23,792	21,803	1,989	6,449	6,395	54	13,592	11,657	1,935	3,751	3,751	0
Midwest	415	24,647	19,739	4,908	8,267	7,592	675	13,927	9,694	4,233	2,453	2,453	—
South	475	32,380	26,466	5,914	9,666	9,170	496	20,695	15,277	5,418	2,019	2,019	—
West	209	13,450	8,830	4,620	4,123	3,943	180	9,161	4,721	4,440	166	166	—
Alabama	35	2,003	1,996	7	834	834	—	1,136	1,129	7	33	33	—
Alaska	2	166	166	—	126	126	—	40	40	—	—	—	—
Arizona	15	970	960	10	270	270	—	700	690	10	—	—	—
Arkansas	21	1,327	1,226	101	310	310	—	705	604	101	312	312	—
California	90	6,320	3,354	2,966	1,720	1,695	25	4,434	1,493	2,941	166	166	—
Colorado	12	873	362	511	299	213	86	574	149	425	—	—	—
Connecticut	18	1,200	1,200	—	516	516	—	457	457	—	227	227	—
Delaware	6	370	290	80	117	117	—	236	156	80	17	17	—
District of Columbia	5	449	449	—	359	359	—	90	90	—	—	—	—
Florida	40	3,651	2,402	1,249	652	593	59	2,920	1,730	1,190	79	79	—
Georgia	32	2,075	2,062	13	561	548	13	1,420	1,420	—	94	94	—
Hawaii	6	345	275	70	170	118	52	175	157	18	—	—	—
Idaho	7	391	391	—	78	78	—	313	313	—	—	—	—
Illinois	72	3,840	3,041	799	1,162	1,066	96	2,418	1,715	703	260	260	—
Indiana	42	2,496	2,260	236	1,116	921	195	1,263	1,222	41	117	117	—
Iowa	36	1,668	751	917	377	377	—	1,124	207	917	167	167	—
Kansas	33	1,165	1,086	79	403	377	26	733	680	53	29	29	—
Kentucky	27	1,879	1,429	450	607	578	29	1,272	851	421	—	—	—
Louisiana	21	1,558	1,388	170	911	808	103	412	345	67	235	[illegible]	—
Maine	15	421	389	32	226	226	0	195	163	32	—	[illegible]	—
Maryland	23	1,449	1,218	231	388	388	—	927	696	231	134	134	—
Massachusetts	44	2,545	2,349	196	715	715	—	1,482	1,286	196	348	348	—
Michigan	48	3,521	2,003	1,518	1,069	1,069	—	2,298	780	1,518	154	154	—
Minnesota	23	1,570	1,257	313	445	393	52	1,125	864	261	—	—	—
Mississippi	21	1,440	1,300	140	322	322	—	1,118	978	140	—	—	—
Missouri	40	1,962	1,606	356	601	522	79	860	583	277	501	501	—
Montana	4	322	220	102	220	220	—	102	—	102	—	—	—
Nebraska	10	663	575	88	538	466	72	71	55	16	54	54	—
Nevada	7	268	71	197	71	54	17	197	17	180	—	—	—
New Hampshire	10	422	268	154	81	81	—	341	187	154	0	0	—
New Jersey	38	2,890	2,867	23	681	681	—	1,340	1,317	23	869	869	—
New Mexico	14	731	348	383	77	77	—	654	271	383	—	—	—
New York	103	9,122	8,188	934	1,957	1,957	—	6,743	5,809	934	422	422	0
North Carolina	57	2,881	946	1,935	553	553	—	2,150	215	1,935	178	178	—
North Dakota	6	191	163	28	191	163	28	—	—	—	—	—	—
Ohio	67	4,960	4,622	338	1,219	1,185	34	2,705	2,401	304	1,036	1,036	—
Oklahoma	27	1,335	1,335	—	407	407	—	928	928	—	—	—	—
Oregon	18	875	707	168	288	288	—	587	419	168	—	—	—
Pennsylvania	92	5,758	5,213	545	1,618	1,564	54	2,309	1,818	491	1,831	1,831	—
Rhode Island	7	402	402	—	104	104	—	261	261	—	37	37	—
South Carolina	20	1,239	994	245	355	327	28	884	667	217	—	—	—
South Dakota	9	542	508	34	181	181	—	305	271	34	56	56	—
Tennessee	35	2,848	2,664	184	1,000	816	184	1,432	1,432	—	416	416	—
Texas	64	5,631	4,793	838	1,728	1,728	0	3,764	2,926	838	139	139	—
Utah	4	450	450	—	231	231	—	219	219	—	—	—	—
Vermont	5	213	188	25	75	75	—	138	113	25	—	—	—
Virginia	34	2,149	1,944	205	753	701	52	1,077	924	153	319	319	—
Washington	24	1,544	1,355	189	514	514	—	1,030	841	189	—	—	—
West Virginia	18	915	769	146	285	257	28	550	432	118	80	80	—
Wisconsin	29	2,089	1,867	202	965	872	93	1,025	916	109	79	79	—
Wyoming	6	195	171	24	59	59	—	136	112	24	—	—	—
American Samoa	1	11	—	11	—	—	—	11	—	11	—	—	—
Guam	1	0	—	—	0	—	—	—	—	—	—	—	—
Puerto Rico	22	1,945	1,142	803	1,301	846	455	644	296	348	—	—	—
Virgin Islands	2	19	19	—	9	9	—	10	10	—	—	—	—

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

ENROLLMENTS

Enrollments in Basic RN Programs (Tables 21–27)

- Enrollment figures, as of October 15, 1988, reveal continued decreases in both baccalaureate and diploma programs. Diploma programs reported a drop of 0.4 percent in enrollments and baccalaureate programs reported a decrease of 4.8 percent. Associate degree programs reported a healthy increase of 6.2 percent (see Figure 10).

- Enrollments at public institutions grew 3.3 percent since last year while a 4.5 percent decline was registered at private institutions (see Table 22).

- Total enrollments registered at 184,924, a 1.1 percent increase over 1987. The South and Western regions experienced increases in enrollments, whereas the North Atlantic and Midwest reported decreases (see Table 23).

- All regions reported decreases in baccalaureate program enrollments. The losses ranged from 1.9 percent in the South to 10.2 percent in the North Atlantic (see Table 24).

- Enrollments rose in associate degree programs in all regions. The South reported an increase of almost 11 percent ; while the West reported increases of about 5 percent. The North Atlantic and Midwest reported increases of about 3 percent each (see Table 25).

- The Midwest and Western regions reported continued decreases in diploma program enrollments. The North Atlantic and South, however, reported increases (see Table 26).

- Of the 184,924 total enrollments in all basic RN programs, 85.2 percent (157,596) were in programs accredited by NLN. Diploma programs reported that 99.7 percent of their enrollments were in accredited programs, and 96.2 percent of the baccalaureate enrollments were in accredited programs. Only 74.3 percent of associate degree enrollments were from NLN-accredited programs (see Table 27).

- **TEN-YEAR TREND:** Enrollments in basic RN programs grew modestly but steadily between 1979 and 1983. In the half decade from the peak year, 1983, to the current year, enrollments dropped 26.2 percent. Hardest hit has been among diploma programs, losing 50.8 percent of their enrollments over the past 10 years, followed by basic baccalaureate whose enrollment fell 29 percent since 1979. Associate degree enrollments increased 4.2 percent during the same time period.

Figure 10

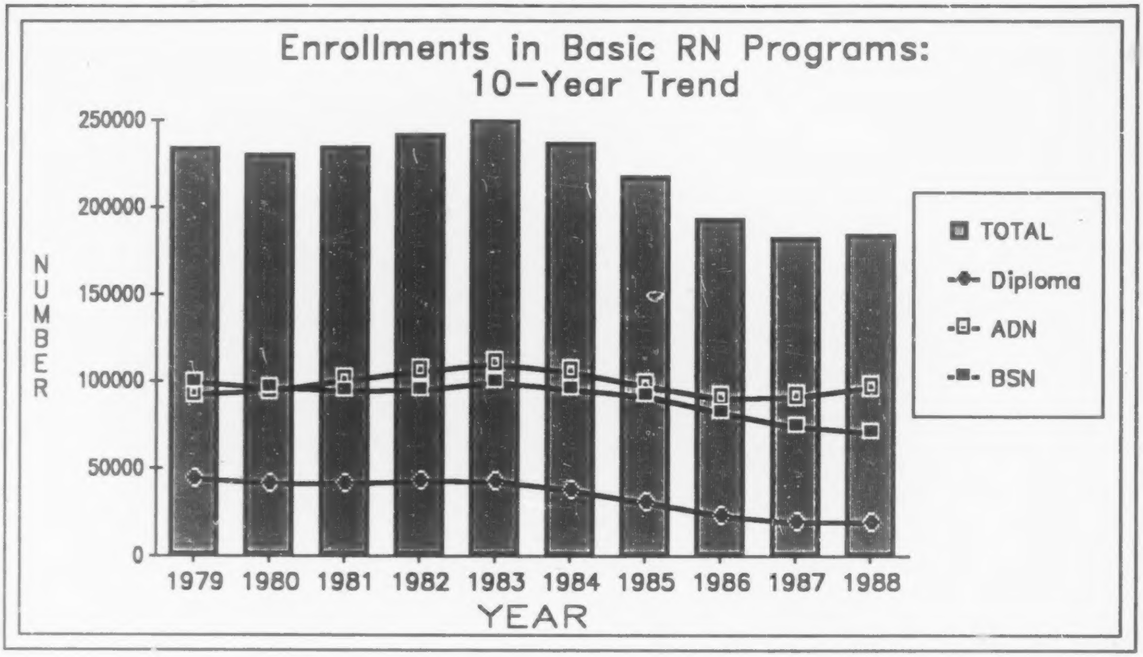

Table 21

ENROLLMENTS IN BASIC RN PROGRAMS AND PERCENTAGE CHANGE FROM PREVIOUS YEAR, BY TYPE OF PROGRAM: 1969 TO 1988[1]

YEAR	ALL BASIC RN PROGRAMS		BACCALAUREATE PROGRAMS		ASSOCIATE DEGREE PROGRAMS		DIPLOMA PROGRAMS	
	Number of Enrollments	Percent Change	Number of Enrollments	Percent Change	Number of Enrollments	Percent Change	Number of Enrollments	Percent Change
1969	149,124	+3.5	43,286	+7.8	33,917	+25.6	71,921	−6.4
1970	162,924	+9.2	48,657	+12.4	43,855	+29.3	70,412	−2.1
1971	185,869	+14.1	59,454	+22.2	55,425	+26.4	70,990	+0.8
1972	211,239	+13.6	73,499	+23.6	66,402	+19.8	71,338	+0.5
1973	230,803	+9.3	84,738	+15.3	77,508	+16.7	68,557	−3.9
1974	242,551	+5.1	94,413	+11.4	84,166	+8.6	63,972	−6.7
1975	248,171	+2.3	99,837	+5.7	88,121	+4.7	60,213	−5.9
1976	247,044	−0.4	99,949	+0.1	91,004	+3.3	56,091	−6.8
1977	245,390	−0.7	101,430	+1.5	91,102	+0.1	52,858	−5.8
1978	239,486	−2.4	99,900	−1.5	91,527	+0.5	48,059	−9.1
1979	234,659	−2.0	98,939	−1.0	92,069	+0.6	43,651	−9.2
1980	230,966	−1.6	95,858	−3.1	94,060	+2.2	41,048	−6.0
1981	234,995	+1.7	93,967	−2.0	100,019	+6.3	41,009	−0.1
1982	242,035	+3.0	94,363	+0.4	105,324	+5.3	42,348	+3.3
1983	250,553	+3.5	98,941	+4.9	109,605	+4.1	42,007	−0.8
1984	237,232	−5.3	95,008	−4.0	104,968	−4.2	37,256	−11.3
1985	217,955	−8.1	91,020	−4.2	96,756	−7.8	30,179	−19.0
1986	193,712	−11.1	81,602	−10.3	89,469	−7.5	22,641	−25.0
1987	182,947	−5.6	73,621	−9.8	90,399	+1.0	18,927	−16.4
1988	184,924	+1.1	70,078	−4.8	95,986	+6.2	18,860	−0.4

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands

Table 22

ENROLLMENTS IN PUBLIC AND PRIVATE BASIC RN PROGRAMS, BY TYPE OF PROGRAM: 1979 TO 1988 [1]

PUBLIC AND PRIVATE NURSING PROGRAMS	TOTAL ENROLLMENTS									
	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
All Programs	**234,659**	**230,966**	**234,995**	**242,035**	**250,553**	**237,232**	**217,955**	**193,712**	**182,947**	**184,924**
Public	147,678	142,857	146,260	153,095	158,005	153,057	141,399	129,362	130,230	134,575
Private	86,981	88,109	88,735	88,940	92,548	84,175	76,556	64,350	52,717	50,349
Baccalaureate	98,939	95,858	93,967	94,363	98,941	95,008	91,020	81,602	73,621	70,078
Public	59,109	55,631	54,664	55,514	57,952	55,390	53,450	47,329	47,276	45,414
Private	39,830	40,227	39,303	38,849	40,989	39,618	37,570	34,273	26,345	24,664
Associate Degree	92,069	94,060	100,019	105,324	109,605	104,968	96,756	89,469	90,399	95,986
Public	83,307	82,314	86,887	92,042	93,997	92,245	83,693	78,207	79,542	85,413
Private	8,762	11,746	13,132	13,282	15,608	12,723	13,063	11,262	10,857	10,573
Diploma	43,651	41,048	41,009	42,348	42,007	37,256	30,179	22,641	18,927	18,860
Public	5,262	4,912	4,709	5,539	6,056	5,422	4,256	3,826	3,412	3,748
Private	38,389	36,136	36,300	36,809	35,951	31,834	25,923	18,815	15,515	15,112

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[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands

Table 23

TOTAL ENROLLMENTS IN ALL BASIC RN PROGRAMS, BY NLN REGION AND STATE: 1979 TO 1988[1]

NLN REGION AND STATE	NUMBER OF TOTAL ENROLLMENTS									
	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
United States	**234,659**	**230,966**	**234,995**	**242,035**	**250,553**	**237,232**	**217,955**	**193,712**	**182,947**	**184,924**
North Atlantic	73,784	70,465	69,404	69,082	72,276	68,798	63,673	56,345	50,521	49,533
Midwest	67,164	67,715	69,842	72,835	74,347	69,521	63,247	54,591	50,450	49,957
South	65,662	64,896	66,082	70,947	74,145	69,343	63,911	58,316	57,674	60,912
West	28,049	27,890	29,667	29,171	29,765	29,570	27,124	24,460	24,302	24,522
Alabama	4,940	5,220	5,453	5,536	6,796	5,727	5,050	4,300	3,799	4,003
Alaska	331	332	344	322	348	377	377	455	268	269
Arizona	2,025	2,042	2,199	2,185	2,535	2,389	1,933	1,816	1,827	1,819
Arkansas	2,047	2,163	2,374	2,434	2,628	2,090	2,028	1,936	1,929	2,170
California	13,344	13,652	14,724	14,287	14,028	16,442	13,705	11,992	12,108	11,666
Colorado	2,031	2,003	1,857	1,859	1,884	1,533	1,546	1,446	1,393	1,336
Connecticut	3,517	3,446	3,324	3,233	3,442	3,232	2,995	2,551	2,267	2,266
Delaware	1,304	1,320	1,334	1,261	1,370	1,279	1,073	957	829	800
District of Columbia	2,036	2,032	1,640	1,404	1,929	1,354	1,251	1,055	754	799
Florida	6,199	6,147	6,769	7,196	7,127	6,796	6,398	5,545	5,475	5,877
Georgia	3,848	3,797	3,848	4,087	4,200	4,016	3,694	3,278	3,185	3,532
Hawaii	392	403	402	392	481	508	311	464	520	825
Idaho	678	623	676	674	663	604	467	470	550	625
Illinois	12,454	12,392	12,479	12,889	13,171	12,197	10,641	9,246	8,087	8,114
Indiana	6,224	6,364	6,329	6,807	6,948	6,690	6,280	6,260	5,830	6,007
Iowa	4,081	4,286	4,350	4,565	4,585	4,342	3,736	2,966	2,917	2,817
Kansas	2,330	2,314	2,583	2,685	2,834	2,722	2,255	1,775	1,791	1,951
Kentucky	3,437	3,227	3,262	3,395	3,932	3,801	3,724	3,521	3,550	3,801
Louisiana	4,172	4,165	4,070	4,401	3,927	4,656	4,779	5,081	4,957	5,462
Maine	1,334	1,318	1,162	1,159	1,192	1,137	1,017	910	1,001	984
Maryland	3,817	3,521	3,817	4,069	4,353	4,007	3,591	3,097	2,775	2,629
Massachusetts	8,949	9,056	8,928	9,050	9,595	9,277	8,190	7,119	6,239	5,593
Michigan	8,449	8,554	8,851	9,100	9,041	8,601	8,472	7,540	7,553	6,928
Minnesota	4,553	4,462	4,619	4,514	4,465	3,862	3,029	2,659	2,548	2,480
Mississippi	2,598	2,601	2,782	3,070	3,304	3,341	2,812	2,669	2,584	2,720
Missouri	5,433	5,470	5,630	5,694	5,832	5,357	4,799	4,218	3,875	3,702
Montana	895	867	873	1,034	1,155	1,060	947	887	739	868
Nebraska	2,070	2,079	2,269	2,303	2,281	1,932	2,413	1,266	1,169	1,196
Nevada	470	419	586	611	711	657	582	477	488	439
New Hampshire	1,050	1,030	1,034	1,098	1,180	1,211	1,076	819	803	805
New Jersey	7,569	7,300	7,221	7,055	7,413	7,041	6,792	5,942	5,410	5,642
New Mexico	1,000	970	1,042	1,054	1,089	1,052	971	757	920	987
New York	29,834	26,361	26,057	25,566	25,997	24,550	23,605	21,380	19,266	18,105
North Carolina	5,807	5,660	5,555	5,893	5,235	5,727	4,919	4,600	4,679	5,086
North Dakota	1,313	1,307	1,312	1,323	1,409	1,165	1,137	865	650	551
Ohio	12,506	12,407	13,111	14,200	14,644	13,866	12,722	11,156	10,651	10,748
Oklahoma	2,348	2,319	2,296	2,481	2,471	2,377	2,065	1,977	2,324	2,243
Oregon	1,898	1,880	2,011	2,007	2,198	2,032	2,075	1,676	1,620	1,595
Pennsylvania	15,460	15,898	15,884	16,456	17,685	16,801	15,759	13,832	12,325	13,106
Rhode Island	2,083	2,091	2,204	2,181	1,883	2,282	1,372	1,348	1,213	1,017
South Carolina	2,392	2,216	2,372	2,592	3,233	2,750	2,764	2,536	2,424	2,664
South Dakota	1,502	1,468	1,568	1,568	1,570	1,489	1,205	1,067	1,104	1,057
Tennessee	5,341	5,754	5,946	6,368	6,625	6,269	5,523	4,856	4,797	4,726
Texas	10,769	10,527	9,783	11,166	11,007	10,166	9,744	8,950	9,313	10,082
Utah	1,001	860	981	952	939	723	845	910	794	779
Vermont	648	613	616	619	664	634	543	432	414	414
Virginia	5,385	5,292	5,346	5,671	5,525	5,003	4,578	3,983	4,045	4,139
Washington	3,698	3,552	3,675	3,445	3,357	3,407	3,027	2,836	2,633	2,828
West Virginia	2,250	2,287	2,409	2,588	2,708	2,557	2,242	1,987	1,838	1,778
Wisconsin	6,561	6,612	6,741	7,187	7,564	7,298	6,558	5,573	4,275	4,406
Wyoming	286	287	297	349	400	386	338	337	442	484
American Samoa	0	0	10	18	24	26	11	14	16	16
Guam	49	41	49	53	82	54	60	60	60	–
Puerto Rico	2,844	3,819	3,393	3,375	4,020	3,563	3,144	3,642	3,561	2,918
Virgin Islands	28	38	26	28	44	57	55	56	73	50

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands

Table 24

TOTAL ENROLLMENTS IN BASIC BACCALAUREATE NURSING PROGRAMS, BY NLN REGION AND STATE: 1979 TO 1988[1]

NLN REGION AND STATE	NUMBER OF TOTAL ENROLLMENTS[2]									
	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
United States	**98,939**	**95,858**	**93,967**	**94,363**	**98,941**	**95,008**	**91,020**	**81,602**	**73,621**	**70,078**
North Atlantic	34,602	31,808	30,915	30,016	30,788	29,066	26,914	23,065	19,710	17,695
Midwest	25,508	26,330	25,850	26,819	28,108	27,505	27,013	24,620	21,823	21,183
South	27,428	26,927	26,253	26,790	28,191	26,500	25,849	23,998	22,564	22,134
West	11,401	10,793	10,949	10,738	11,854	11,937	11,244	9,919	9,524	9,066
Alabama	2,775	2,984	3,087	3,016	3,641	2,856	2,763	2,276	1,991	1,904
Alaska	262	270	264	254	288	310	317	329	203	203
Arizona	970	900	951	923	1,150	1,212	822	765	591	595
Arkansas	727	856	893	818	875	567	626	594	580	549
California	4,815	4,570	4,636	4,440	4,789	5,115	5,139	4,258	4,309	3,947
Colorado	1,078	1,029	931	935	921	614	781	725	711	585
Connecticut	1,660	1,591	1,562	1,517	1,607	1,526	1,481	1,281	1,076	1,012
Delaware	842	879	852	817	886	813	738	625	467	411
District of Columbia	1,555	1,575	1,353	1,078	1,570	1,151	1,045	843	675	647
Florida	1,630	1,625	1,538	1,528	1,760	1,619	1,757	1,540	1,430	1,418
Georgia	1,069	1,084	1,203	1,208	1,244	1,276	1,197	1,025	901	988
Hawaii	161	145	114	128	244	220	58	228	401	354
Idaho	209	164	136	93	88	84	37	32	107	183
Illinois	4,043	4,241	4,033	4,169	4,518	4,514	4,096	3,826	3,249	3,059
Indiana	2,755	2,779	2,557	3,070	3,361	3,073	3,100	3,586	3,351	3,418
Iowa	1,391	1,444	1,333	1,288	1,301	1,320	1,235	1,057	821	779
Kansas	1,042	1,115	1,106	1,169	1,193	1,264	1,106	863	780	836
Kentucky	802	689	702	767	1,298	1,276	1,482	1,652	1,477	1,571
Louisiana	2,376	2,320	2,163	2,419	1,922	2,756	3,086	3,397	3,361	3,623
Maine	605	597	443	387	458	530	566	523	700	666
Maryland	1,186	1,077	1,228	1,229	1,329	1,215	1,187	1,166	968	758
Massachusetts	3,990	4,297	4,355	4,494	4,569	4,518	3,999	3,394	2,970	2,578
Michigan	3,502	3,484	3,499	3,313	3,439	3,576	3,663	3,283	3,157	3,096
Minnesota	1,670	1,697	1,691	1,628	1,635	1,515	1,275	1,138	1,046	844
Mississippi	968	966	1,017	1,068	1,164	1,315	1,005	1,179	998	958
Missouri	1,569	1,821	1,835	1,781	1,677	1,438	1,499	1,366	1,217	1,057
Montana	699	687	691	797	901	868	740	659	565	606
Nebraska	502	510	520	546	589	457	1,160	748	824	1,026
Nevada	99	87	246	249	349	265	236	181	193	231
New Hampshire	545	572	618	619	597	619	515	432	363	329
New Jersey	2,758	2,537	2,500	2,352	2,253	1,997	1,997	1,792	1,480	1,056
New Mexico	286	266	304	315	360	345	284	211	190	181
New York	14,312	11,008	10,362	9,820	9,555	8,723	8,313	6,826	5,793	4,981
North Carolina	2,606	2,452	2,224	2,212	2,266	2,101	1,831	1,623	1,563	1,348
North Dakota	744	740	737	747	764	601	693	606	537	551
Ohio	3,808	3,609	3,676	3,932	4,347	4,380	4,408	3,997	3,781	3,571
Oklahoma	990	1,015	953	993	1,056	1,086	877	740	933	780
Oregon	539	502	559	546	727	890	890	744	665	616
Pennsylvania	6,528	6,927	6,967	7,086	7,800	7,367	7,219	6,344	5,288	5,364
Rhode Island	1,486	1,520	1,588	1,521	1,206	1,500	750	754	682	470
South Carolina	1,236	1,118	1,102	1,140	1,319	1,420	1,411	1,195	994	997
South Dakota	839	837	854	847	851	794	688	624	594	555
Tennessee	1,894	2,259	2,286	2,157	2,404	2,174	1,980	1,785	1,667	1,629
Texas	5,789	5,546	4,990	5,352	4,938	4,310	4,262	3,792	3,747	3,676
Utah	328	301	273	278	292	395	450	407	395	378
Vermont	321	305	315	325	329	322	291	251	216	181
Virginia	2,400	2,292	2,228	2,243	2,200	1,822	1,736	1,488	1,339	1,327
Washington	1,780	1,711	1,683	1,582	1,535	1,427	1,312	1,179	977	962
West Virginia	668	644	639	640	733	707	649	546	615	608
Wisconsin	3,955	4,053	4,009	4,329	4,433	4,573	4,090	3,526	2,466	2,391
Wyoming	175	161	161	198	210	192	178	201	217	225
American Samoa	0	0	0	0	0	0	0	0	0	–
Guam	0	0	0	0	0	0	0	0	0	–
Puerto Rico	1,505	2,332	2,132	2,065	2,674	2,424	2,292	2,708	2,615	2,118
Virgin Islands	0	0	0	1	6	27	28	26	46	27

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Includes basic students only.

Table 25

TOTAL ENROLLMENTS IN ASSOCIATE DEGREE NURSING PROGRAMS, BY NLN REGION AND STATE: 1979 TO 1988[1]

NLN REGION AND STATE	NUMBER OF TOTAL ENROLLMENTS									
	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
United States	**92,069**	**94,060**	**100,019**	**105,324**	**109,605**	**104,968**	**96,756**	**89,469**	**90,399**	**95,986**
North Atlantic	23,383	23,670	23,942	24,105	26,117	25,459	24,468	23,213	22,296	23,044
Midwest	23,366	24,194	26,406	27,980	28,652	26,899	24,326	22,013	22,497	23,215
South	30,112	30,480	32,334	36,019	37.955	35,754	32,637	30,104	31,166	34,576
West	15,208	15,716	17,337	17,220	16,861	16,856	15,325	14,139	14,440	15,151
Alabama	1.747	1,831	1,938	2,102	2,730	2,488	2,065	1,900	1,742	2,039
Alaska	69	62	80	68	60	67	60	63	65	66
Arizona	1,055	1,142	1,248	1,262	1,385	1,177	1,111	1,051	1,236	1,224
Arkansas	1,089	1,065	1,180	1,253	1,316	1,164	1,067	1,012	927	997
California	7,701	8,208	9,181	9,129	8,635	9,218	8,091	7,344	7,461	7,416
Colorado	729	767	737	743	721	759	685	709	682	751
Connecticut	952	942	908	878	966	872	875	742	680	703
Delaware	296	294	322	285	281	349	285	285	320	343
District of Columbia	349	37[illegible]	249	326	359	203	206	212	79	152
Florida	4,082	4,236	4,945	5,372	5,055	4,868	4,423	3,854	3,905	4,299
Georgia	2,093	2,160	2,183	2,454	2,531	2,313	2,124	1,971	2,045	2,323
Hawaii	231	258	288	264	237	288	253	236	119	471
Idaho	469	459	540	581	575	520	430	438	443	442
Illinois	4,900	5,005	5,294	5,549	5,672	5,137	4,677	4,243	4,020	4,349
Indiana	2,466	2,570	2,761	2,719	2,560	2,535	2,217	1,954	1,969	2,339
Iowa	1,348	1,615	1,724	1,879	1,905	1,840	1,664	1,360	1,685	1,603
Kansas	846	895	1,076	1,115	1,215	1,199	994	822	947	1,063
Kentucky	2,374	2,320	2,354	2,459	2,634	2,525	2,242	1,869	2,073	2,230
Louisiana	1,091	1,139	1,192	1,219	1,267	1,105	937	973	993	1,260
Maine	372	368	391	462	471	398	326	329	284	318
Maryland	2,094	1,943	2,014	2,223	2,376	2,228	1,988	1,669	1,574	1,608
Massachusetts	2,475	2,458	2,397	2,431	2,915	2,864	2,689	2,586	2,328	2,274
Michigan	3,666	3,858	4,187	4,686	4,691	4,248	4,179	3,753	4,020	3,495
Minnesota	2,159	2,058	2,236	2,208	2,190	1,914	1,549	1,457	1,502	1,636
Mississippi	1,516	1,530	1,661	1,916	2,042	1,966	1,774	1,490	1,586	1,762
Missouri	1,547	1,496	1.579	1,700	1,855	1,904	1,727	1,617	1,567	1,561
Montana	196	180	182	237	254	192	207	228	174	262
Nebraska	529	574	668	644	619	550	357	112	156	97
Nevada	371	332	340	362	362	392	346	296	295	208
New Hampshire	139	151	183	278	414	461	456	328	401	467
New Jersey	2,609	2,631	2,553	2,428	2,779	2,714	2,418	2,069	2,048	2,280
New Mexico	714	704	738	739	729	707	687	546	730	806
New York	12,562	12,600	13,019	13,006	13,713	13,463	13,324	13,021	12,339	12,151
North Carolina	2,482	2,545	2,700	2,984	3,253	3,043	2,812	2,648	2,789	3,362
North Dakota	217	252	237	236	266	224	167	126	85	—
Ohio	4,044	4,097	4,484	4,956	5,097	5,020	4,606	4,453	4,478	4,826
Oklahoma	1,225	1,211	1,273	1,446	1,415	1,291	1,188	1,237	1,391	1,463
Oregon	1,035	1,078	1,167	1,147	1,267	1,034	1,185	932	955	979
Pennsylvania	2,890	3,150	3,205	3,295	3,495	3,271	3,207	3,007	3,202	3,659
Rhode Island	412	398	414	422	421	552	430	453	417	464
South Carolina	1,087	1,022	1,181	1,366	1,844	1,300	1,321	1,313	1,421	1,667
South Dakota	381	354	448	442	438	442	356	348	414	383
Tennessee	2,196	2,203	2,225	2,439	2,366	2,345	2,167	2,170	2,302	2,381
Texas	4,134	4,246	4,148	5,092	5,479	5,560	5,245	4,951	5,340	6,142
Utah	673	559	708	674	647	328	395	503	399	401
Vermont	327	308	301	294	335	312	252	181	198	233
Virginia	1,661	1,744	1,928	2,111	2,017	2,048	1,976	1,813	2,015	2,038
Washington	1,854	1,841	1,992	1,863	1,822	1,980	1,715	1,657	1,656	1,866
West Virginia	1,241	1,285	1,412	1,583	1,598	1,510	1,308	1,234	1,063	1,005
Wisconsin	1,263	1,420	1,712	1,846	2,141	1,886	1,833	1,768	1,654	1,863
Wyoming	111	126	136	151	190	194	160	136	225	259
American Samoa	0	0	10	18	24	26	11	14	16	16
Guam	49	41	49	53	82	84	60	60	60	—
Puerto Rico	1,339	1,487	1,261	1,310	1,346	1,139	852	934	946	800
Virgin Islands	28	38	26	27	38	30	27	30	27	23

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands

Table 26

TOTAL ENROLLMENTS IN DIPLOMA NURSING PROGRAMS, BY NLN REGION AND STATE: 1979 TO 1988[1]

NLN REGION AND STATE	NUMBER OF TOTAL ENROLLMENTS									
	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
United States	**43,651**	**41,048**	**41,009**	**42,348**	**42,007**	**37,256**	**30,179**	**22,641**	**18,927**	**18,860**
North Atlantic	15,799	14,987	14,547	14,961	15,371	14,273	12,291	10,067	8,515	8,794
Midwest	18,290	17,191	17,586	18,036	17,587	15,117	11,908	7,958	6,130	5,559
South	8,122	7,489	7,495	8,138	7,999	7,089	5,425	4,214	3,944	4,202
West	1,440	1,381	1,381	1,213	1,050	777	555	402	338	305
Alabama	418	405	428	418	425	383	222	124	66	60
Alaska	0	0	0	0	0	0	0	0	0	–
Arizona	0	0	0	0	0	0	0	0	0	–
Arkansas	231	242	301	363	437	359	335	330	422	624
California	828	874	907	718	604	509	475	390	338	305
Colorado	224	207	189	181	242	160	80	12	0	–
Connecticut	905	913	854	838	869	834	639	528	511	553
Delaware	166	147	160	159	203	117	50	47	42	46
District of Columbia	132	87	38	0	0	0	0	0	0	–
Florida	487	286	286	296	312	309	218	151	140	160
Georgia	686	553	462	425	425	427	373	282	239	221
Hawaii	0	0	0	0	0	0	0	0	0	–
Idaho	0	0	0	0	0	0	0	0	0	–
Illinois	3,511	3,146	3,152	3,171	2,981	2,546	1,868	1,177	818	706
Indiana	1,003	1,015	1,011	1,018	1,027	1,082	963	720	510	250
Iowa	1,342	1,227	1,293	1,398	1,379	1,182	837	549	411	435
Kansas	442	304	401	401	426	259	155	90	64	52
Kentucky	261	218	206	169	0	0	0	0	0	–
Louisiana	705	706	715	763	738	795	756	711	603	579
Maine	357	353	328	310	263	209	125	58	17	–
Maryland	537	501	575	617	648	564	416	262	233	263
Massachusetts	2,484	2,301	2,176	2,125	2,111	1,895	1,502	1,139	941	741
Michigan	1,281	1,212	1,165	1,101	911	777	630	504	376	337
Minnesota	724	707	692	678	640	433	205	64	0	–
Mississippi	114	105	104	86	98	60	33	0	0	–
Missouri	2,317	2,153	2,216	2,213	2,300	2,015	1,573	1,235	1,091	1,084
Montana	0	0	0	0	0	0	0	0	0	–
Nebraska	1,039	995	1,081	1,113	1,073	925	896	406	189	73
Nevada	0	0	0	0	0	0	0	0	0	–
New Hampshire	366	307	233	201	169	131	105	59	39	9
New Jersey	2,202	2,132	2,168	2,275	2,381	2,330	2,377	2,081	1,882	2,306
New Mexico	0	0	0	0	0	0	0	0	0	–
New York	2,960	2,753	2,676	2,740	2,729	2,364	1,968	1,533	1,134	973
North Carolina	719	663	631	697	716	643	276	329	327	376
North Dakota	352	315	338	340	379	340	277	133	28	–
Ohio	4,654	4,701	4,951	5,312	5,200	4,466	3,708	2,706	2,392	2,351
Oklahoma	133	93	70	42	0	0	0	0	0	–
Oregon	324	300	285	314	204	108	0	0	0	–
Pennsylvania	6,042	5,821	5,712	6,075	6,390	6,163	5,333	4,481	3,835	4,083
Rhode Island	185	173	202	238	256	230	192	141	114	83
South Carolina	69	76	89	86	70	30	32	28	9	–
South Dakota	282	277	266	279	281	253	161	95	96	119
Tennessee	1,251	1,292	1,435	1,772	1,855	1,750	1,376	901	828	716
Texas	846	735	645	722	590	296	237	207	226	264
Utah	0	0	0	0	0	0	0	0	0	–
Vermont	0	0	0	0	0	0	0	0	0	–
Virginia	1,324	1,256	1,190	1,317	1,308	1,133	866	682	691	774
Washington	64	0	0	0	0	0	0	0	0	–
West Virginia	341	358	358	365	377	340	285	207	160	165
Wisconsin	1,343	1,139	1,020	1,012	990	839	635	279	155	152
Wyoming	0	0	0	0	0	0	0	0	0	–
American Samoa	0	0	0	0	0	0	0	0	0	–
Guam	0	0	0	0	0	0	0	0	0	–
Puerto Rico	0	0	0	0	0	0	0	0	0	–
Virgin Islands	0	0	0	0	0	0	0	0	0	–

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 27
ENROLLMENTS IN ACCREDITED AND NON-ACCREDITED PROGRAMS, BY NLN REGION AND STATE AND TYPE OF PROGRAM: 1988[1]

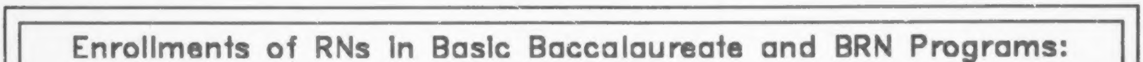
NLN REGION AND STATE	NUMBER OF PROGRAMS	NUMBER OF ENROLLMENTS											
		ALL BASIC RN PROGRAMS			BACCALAUREATE PROGRAMS			ASSOCIATE DEGREE PROGRAMS			DIPLOMA PROGRAMS		
		Total	Accredited	Not Accredited	Total	Accredited	Not Accredited	Total	Accredited	Not Accredited	Total	Accredited	Not Accredited
United States	**1,442**	**184,924**	**157,596**	**27,328**	**70,078**	**67,446**	**2,632**	**95,986**	**71,310**	**24,676**	**18,860**	**18,840**	**20**
North Atlantic	343	49,533	46,403	3,130	17,685	17,586	109	23,044	20,043	3,001	8,794	8,774	20
Midwest	415	49,957	42,440	7,517	21,183	19,914	1,269	23,215	16,967	6,248	5,559	5,559	—
South	475	60,912	51,521	9,391	22,134	21,318	816	34,576	26,001	8,575	4,202	4,202	—
West	209	24,522	17,232	7,290	9,066	8,628	438	15,151	8,299	6,852	305	305	—
Alabama	35	4,003	3,968	35	1,904	1,904	—	2,039	2,004	35	60	60	—
Alaska	2	269	269	—	203	203	—	66	66	—	—	—	—
Arizona	15	1,819	1,786	33	595	595	—	1,224	1,191	33	—	—	—
Arkansas	21	2,170	2,052	118	549	549	—	997	879	118	624	624	—
California	90	11,668	6,913	4,755	3,947	3,869	78	7,416	2,739	4,677	305	305	—
Colorado	12	1,336	601	735	585	409	176	751	192	559	—	—	—
Connecticut	18	2,268	2,268	—	1,012	1,012	—	703	703	—	553	553	—
Delaware	6	800	695	105	411	411	—	343	238	105	46	46	—
District of Columbia	5	799	799	—	647	647	—	152	152	—	—	—	—
Florida	40	5,877	3,911	1,966	1,418	1,314	104	4,299	2,437	1,862	160	160	—
Georgia	32	3,532	3,516	16	988	972	16	2,323	2,323	—	221	221	—
Hawaii	6	825	644	181	354	206	148	471	438	33	—	—	—
Idaho	7	625	625	—	183	183	—	442	442	—	—	—	—
Illinois	72	8,114	6,665	1,449	3,059	2,823	236	4,349	3,136	1,213	706	706	—
Indiana	42	6,007	5,553	444	3,418	3,144	274	2,339	2,169	170	250	250	—
Iowa	36	2,817	1,563	1,254	779	779	—	1,603	349	1,254	435	435	—
Kansas	33	1,951	1,796	155	836	794	42	1,063	950	113	52	52	—
Kentucky	27	3,801	3,024	777	1,571	1,520	51	2,230	1,504	726	—	—	—
Louisiana	21	5,462	5,086	376	3,623	3,362	261	1,260	1,145	115	579	579	—
Maine	15	984	911	73	666	652	14	318	259	59	—	—	—
Maryland	23	2,629	2,229	400	758	758	—	1,608	1,208	400	263	263	—
Massachusetts	44	5,593	5,305	288	2,578	2,578	—	2,274	1,986	288	741	741	—
Michigan	48	6,928	4,909	2,019	3,096	3,096	—	3,495	1,476	2,019	337	337	—
Minnesota	23	2,480	2,113	367	844	748	96	1,636	1,365	271	—	—	—
Mississippi	21	2,720	2,542	178	958	958	—	1,762	1,584	178	—	—	—
Missouri	40	3,702	3,060	642	1,057	930	127	1,561	1,046	515	1,084	1,084	—
Montana	4	868	606	262	606	606	—	262	—	262	—	—	—
Nebraska	10	1,196	1,037	159	1,026	879	147	97	85	12	73	73	—
Nevada	7	439	238	201	231	195	36	208	43	165	—	—	—
New Hampshire	10	805	607	198	329	329	—	467	269	198	9	9	—
New Jersey	38	5,642	5,596	46	1,056	1,056	—	2,280	2,234	46	2,306	2,306	—
New Mexico	14	987	619	368	181	181	—	806	438	368	—	—	—
New York	103	18,105	16,577	1,528	4981	4,981	—	12,151	10,643	1,508	973	953	20
North Carolina	57	5,086	2,110	2,976	1348	1,348	—	3,362	386	2,976	376	376	—
North Dakota	6	551	527	24	551	527	24	—	—	—	—	—	—
Ohio	67	10,748	10,276	472	3,571	3,511	60	4,826	4,414	412	2,351	2,351	—
Oklahoma	27	2,243	2,243	—	780	780	—	1,463	1,463	—	—	—	—
Oregon	18	1,595	1,317	278	616	616	—	979	701	278	—	—	—
Pennsylvania	92	13,106	12,253	853	5,364	5,269	95	3,659	2,901	758	4,083	4,083	—
Rhode Island	7	1,017	1,017	—	470	470	—	464	464	—	83	83	—
South Carolina	20	2,664	2,164	500	997	910	87	1,667	1,254	413	—	—	—
South Dakota	9	1,057	981	76	555	555	—	383	307	76	119	119	—
Tennessee	35	4,726	4,599	127	1,629	1,502	127	2,381	2,381	—	716	716	—
Texas	64	10,082	8,819	1,263	3,676	3,662	14	6,142	4,893	1,249	264	264	—
Utah	4	779	779	—	378	378	—	401	401	—	—	—	—
Vermont	5	414	375	39	181	181	—	233	194	39	—	—	—
Virginia	34	4,139	3,767	372	1,327	1,231	96	2,038	1,762	276	774	774	—
Washington	24	2,828	2,396	432	962	962	—	1,866	1,434	432	—	—	—
West Virginia	18	1,778	1,491	287	608	548	60	1,005	778	227	165	165	—
Wisconsin	29	4,406	3,950	456	2,391	2,128	263	1,863	1,670	193	152	152	—
Wyoming	6	484	439	45	225	225	—	259	214	45	—	—	—
American Samoa	1	16	—	16	—	—	—	16	—	16	—	—	—
Guam	1	1	—	—	1	—	—	—	—	—	—	—	—
Puerto Rico	22	2,918	1,815	1,103	2,118	1,383	735	800	432	368	—	—	—
Virgin Islands	2	50	50	—	27	27	—	23	23	—	—	—	—

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Enrollments of RNs in Baccalaureate Nursing Programs (Tables 28–30)

- The total number of RNs enrolled in baccalaureate programs dropped 7.2 percent since 1987. While the number of RNs enrolled in basic programs decreased 3.4 percent, the number of RNs in specially designed baccalaureate (BRN) programs fell by over 12 percent, bringing the total number of RNs in baccalaureate programs to 43,027 (see Table 28).
- The combined number of basic and RN students enrolled in baccalaureate programs in 1988 was 113,105, a 5.7 percent decrease since 1987. Basic students make up 62 percent of all baccalaureate students, and RNs comprise the remaining 38 percent (see Table 28).
- Basic baccalaureate students are more likely to be studying full time than the returning RN. Over 86 percent of basic BSN students attend full time, whereas only 29 percent of RNs in basic programs and about 14.4 percent of those enrolled in BRN programs are full-time students (see Table 29).
- A regional breakdown indicates that the largest group of returning RNs, over 36 percent of the total, is in the North Atlantic region. The Midwest follows, with 29 percent of the total; the South, 20 percent; and the West, 14.5 percent (see Table 30).
- The number of RNs enrolled in baccalaureate programs decreased in all regions.
- **TEN-YEAR TREND:** Whereas basic baccalaureate enrollments have rollercoastered up and down since 1979, the number of returning RNs grew consistently until this year (see Table 28 and Figure 11).
- **FIVE-YEAR TREND:** Enrollments in special BRN programs increased 12.5 percent since 1983. The number of RNs in basic baccalaureate programs grew over 25 percent, but basic BSN enrollments fell 25.6 percent (see Table 28–30).

Figure 11



Enrollments of RNs in Basic Baccalaureate and BRN Programs: 10–Year Trend

Table 28

BASIC AND RN STUDENT ENROLLMENTS IN BACCALAUREATE NURSING PROGRAMS: 1979 TO 1988[1]

YEAR	ENROLLMENTS IN BACCALAUREATE NURSING PROGRAMS			
	Total Enrollments	Basic Programs		BRN* Programs
		Basic Students	RN Students	RN Students
1979	126,612	98,939	16,987	10,686
1980	129,111	95,858	20,722	12,531
1981	126,881	93,967	19,650	13,264
1982	129,125	94,363	20,933	14,729
1983	137,792	98,941	21,192	17,659
1984	136,120	95,008	22,520	18,592
1985	133,960	91,020	22,812	20,128
1986	127,957	81,602	25,247	21,108
1987	119,996	73,621	26,503	19,872
1988	113,105	70,078	25,597	17,430

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.
* BRN programs are baccalaureate programs that admit only RNs.

Table 29

FULL-TIME AND PART-TIME ENROLLMENTS OF BASIC AND RN STUDENTS IN BACCALAUREATE NURSING PROGRAMS: 1984 TO 1988[1]

YEAR AND TYPE OF STUDENT	ENROLLMENTS IN BACCALAUREATE NURSING PROGRAMS		
	Total	Full Time	Part Time
1984 (Total)	**136,120**	**97,255**	**38,865**
Basic Students	95,008	85,253	9,755
RNs in Basic Programs	22,520	7,004	15,516
RNs in BRN* Programs	18,592	4,818	13,774
1985 (Total)	**133,960**	**93,479**	**40,481**
Basic Students	91,020	82,618	8,402
RNs in Basic Programs	22,812	7,196	15,616
RNs in BRN* Programs	20,128	3,665	16,463
1986 (Total)	**127,957**	**85,170**	**42,787**
Basic Students	81,602	71,416	10,186
RNs in Basic Programs	25,247	8,251	16,996
RNs in BRN* Programs	21,108	5,503	15,605
1987 (Total)	**119,996**	**88,427**	**31,569**
Basic Students	73,621	63,917	9,704
RNs in Basic Programs	26,503	19,333	7,170
RNs in BRN* Programs	19,872	5,177	14,695
1988 (Total)	**113,105**	**70,444**	**42,661**
Basic Students	70,078	60,504	9,574
RNs in Basic Programs	25,597	7,427	18,170
RNs in BRN* Programs	17,430	2,513	14,917

[1] National and regional totals do not include American Samoa, Guam, Puerto Rico, and the Virgin Islands.
*BRN programs are baccalaureate programs that admit only RNs.

Table 30

TOTAL ENROLLMENTS IN BACCALAUREATE NURSING PROGRAMS, BY NLN REGION AND STATE: 1984 TO 1988[1]

NLN REGION AND STATE	ENROLLMENTS IN BACCALAUREATE NURSING PROGRAMS[2]									
	1984		1985		1986		1987		1988	
	Total	RNs Only	Total	RNs Only	Total	RNs Only	Total	RNs Only	Total	RNs Only
United States	**136,120**	**41,112**	**133,960**	**42,940**	**127,957**	**46,355**	**119,996**	**46,375**	**113,105**	**43,027**
North Atlantic	45,485	16,419	43,447	16,533	40,783	17,718	36,825	17,115	33,258	15,563
Midwest	37,895	10,390	38,430	11,417	37,938	13,318	34,874	13,051	33,808	12,625
South	34,595	8,095	33,706	7,857	32,526	8,528	31,700	9,136	30,742	8,608
West	18,145	6,208	18,377	7,133	16,710	6,791	16,597	7,073	15,297	6,231
Alabama	3,351	495	3,321	558	2,714	438	2,423	432	2,338	434
Alaska	385	75	401	84	409	80	277	74	277	74
Arizona	1,937	725	1,440	618	1,336	571	1,338	747	1,075	480
Arkansas	636	69	708	82	673	79	655	75	607	58
California	8,582	3,467	9,768	4,629	8,138	3,880	8,551	4,242	7,932	3,985
Colorado	1,336	722	1,317	536	1,787	1,062	1,280	569	1,037	452
Connecticut	2,040	514	2,038	557	1,850	569	1,773	697	1,688	676
Delaware	911	98	816	78	779	154	593	126	595	184
District of Columbia	145	1,279	128	1,190	145	1,021	178	757	705	58
Florida	2,871	1,252	2,905	1,148	2,564	1,024	2,579	1,149	2,670	1,252
Georgia	1,498	222	1,435	238	1,365	340	1,231	330	1,329	341
Hawaii	371	151	246	188	265	37	515	114	586	232
Idaho	150	66	128	91	151	119	311	204	324	141
Illinois	6,536	2,022	6,317	2,221	5,839	2,013	5,266	2,017	4,921	1,862
Indiana	3,904	831	4,556	1,456	5,070	1,484	5,155	1,804	4,872	1,454
Iowa	1,770	450	1,717	482	1,545	488	1,589	768	1,937	1,158
Kansas	1,608	344	1,442	336	1,405	542	1,128	348	1,201	365
Kentucky	2,136	860	2,481	999	2,416	764	2,174	697	2,433	862
Louisiana	3,050	294	3,346	260	3,705	308	3,685	324	3,898	275
Maine	628	98	705	139	660	137	880	180	888	222
Maryland	1,793	578	1,638	451	1,627	461	1,677	709	1,376	618
Massachusetts	6,692	2,174	6,318	2,319	5,874	2,480	4,908	1,938	4,548	1,970
Michigan	5,090	1,514	5,144	1,481	5,523	2,240	4,641	1,484	4,599	1,503
Minnesota	2,219	704	1,933	658	1,635	497	1,690	644	1,399	555
Mississippi	1,480	165	1,182	177	1,413	234	1,192	194	1,099	141
Missouri	2,632	1,194	2,563	1,064	3,146	1,780	2,708	1,491	2,445	1,388
Montana	879	11	752	12	670	11	580	15	624	18
Nebraska	980	523	1,776	616	1,565	817	1,628	804	1,843	817
Nevada	360	95	308	72	282	101	343	150	389	158
New Hampshire	877	258	739	224	637	205	564	201	497	168
New Jersey	3,718	1,721	3,660	1,663	3,428	1,636	3,093	1,613	2,352	1,296
New Mexico	467	122	408	124	312	101	283	93	302	121
New York	15,397	6,674	15,220	6,907	14,508	7,682	12,996	7,203	11,809	6,828
North Carolina	2,648	547	2,595	764	2,285	662	2,313	750	1,900	552
North Dakota	678	77	807	114	762	156	696	159	702	151
Ohio	5,958	1,578	6,001	1,593	5,832	1,835	5,598	1,817	5,175	1,604
Oklahoma	1,219	133	1,043	166	984	244	1,224	291	1,026	246
Oregon	1,118	228	1,095	205	894	150	825	160	738	122
Pennsylvania	11,821	4,454	11,379	4,160	10,759	4,415	10,083	4,795	9,250	3,886
Rhode Island	1,675	175	972	222	919	165	808	126	597	127
South Carolina	1,721	301	1,790	379	2,115	920	1,502	508	1,378	381
South Dakota	897	103	871	183	760	136	761	167	732	177
Tennessee	2,757	583	2,512	532	2,398	613	2,673	1,006	2,646	1,017
Texas	5,726	1,416	5,282	1,020	4,886	1,094	4,987	1,240	4,850	1,174
Utah	545	150	584	134	614	207	570	175	510	132
Vermont	447	125	410	119	348	97	370	154	329	148
Virginia	2,575	753	2,417	681	2,303	815	2,199	860	2,143	816
Washington	1,803	376	1,719	407	1,610	431	1,465	488	1,238	276
West Virginia	1,134	427	1,051	402	1,078	532	1,186	571	1,049	441
Wisconsin	5,623	1,050	5,303	1,213	4,856	1,330	4,014	1,548	3,982	1,591
Wyoming	212	20	211	33	242	41	259	42	265	40
American Samoa	0	0	0	0	0	0	0	0	—	—
Guam	0	0	5	5	0	0	12	12	0	—
Puerto Rico	3,108	684	3,092	800	3,332	624	3,153	538	2,884	766
Virgin Islands	27	12	38	10	31	5	52	6	33	6

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Totals include RNs in basic programs, RNs in BRN programs, and basic BSN students.

GRADUATIONS

Graduations from Basic RN Programs (Tables 31–37)

- Graduations from all basic RN programs continued to drop for the third year in a row. The current figure, 64,839, is an 8 percent drop over the previous year. All program types experienced declines, ranging from 2.9 percent for associate degree programs to 28.2 percent for diploma programs (see Figure 12).
- Both public and private institutions reported decreases in their 1987–88 graduations. Private institutions suffered a loss of almost 18 percent of their graduations whereas the public institutions lost 4.4 percent of theirs (see Table 32).
- All regions reported decreases in overall basic RN graduations. The largest decrease was reported in the Midwest (12.5%) and the smallest in the West (1.9%) (see Table 33).
- Almost 83.5 percent (54,126) of graduations from all basic RN programs were from programs accredited by NLN. Of graduates from baccalaureate programs, 98.2 percent came from accredited programs, and 99.6 percent of diploma graduations came from accredited programs. However, 72.4 percent of associate degree graduates were from NLN-accredited programs (see Table 37).
- Of the 64,839 graduations, 58 percent came from associate degree programs. Baccalaureate graduations comprised 33 percent of the total and diploma programs, 9 percent. Associate degree programs continue to produce the majority of new RNs (see Figure 13).
- **TEN-YEAR TREND:** Starting in 1978–79, graduations from basic RN programs began to drop when a resurgence occurred. The year 1984–85 marked the historical peak for graduation—82,075—and the current 64,839 represents a 21 percent drop since its apex.

Figure 12

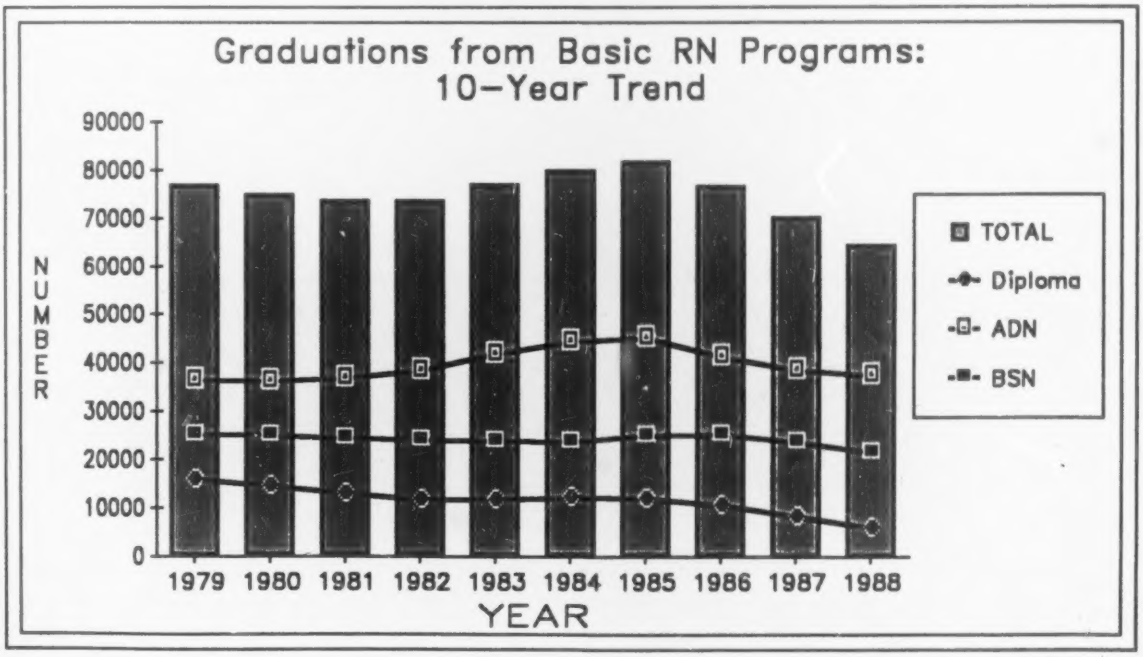


Figure 13

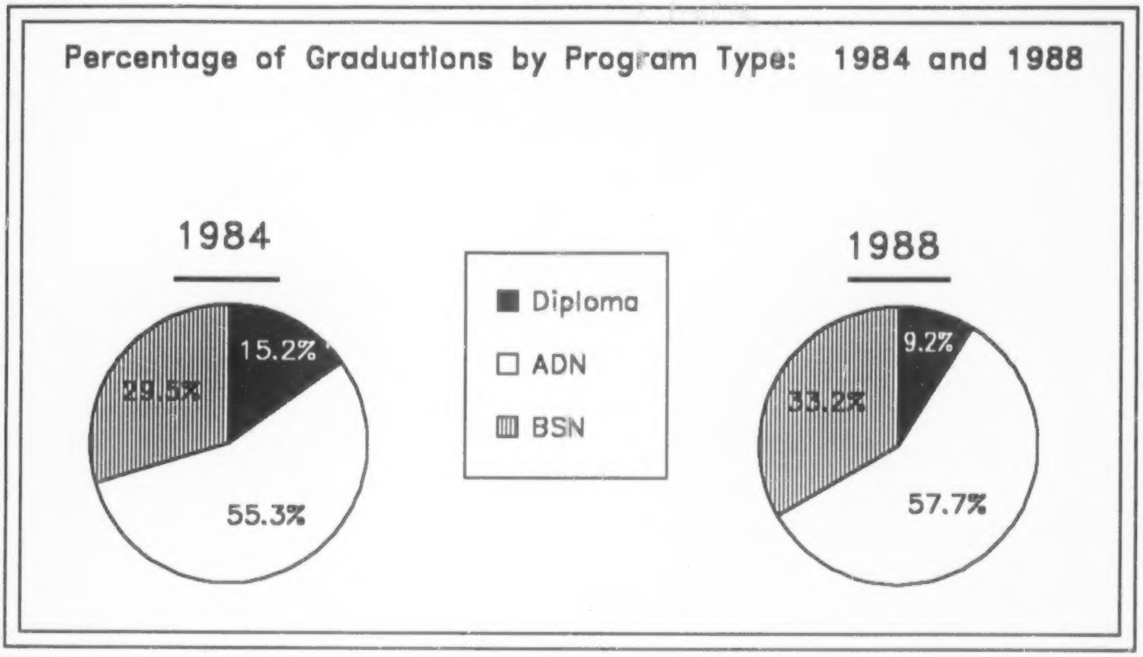


Table 31
GRADUATIONS FROM BASIC RN PROGRAMS AND PERCENTAGE CHANGE FROM PREVIOUS YEAR, BY TYPE OF PROGRAM: 1968-69 TO 1987-88[1]

ACADEMIC YEAR	ALL BASIC RN PROGRAMS		BACCALAUREATE PROGRAMS		ASSOCIATE DEGREE PROGRAMS		DIPLOMA PROGRAMS	
	Number of Graduations	Percent Change	Number of Graduations	Percent Change	Number of Graduations	Percent Change	Number of Graduations	Percent Change
1968-69	41,801	+1.3	8,355	+17.1	8,578	+39.2	24,868	−11.0
1969-70	43,103	+3.1	9,069	+8.5	11,483	+33.9	22,551	−9.3
1970-71	46,455	+7.8	9,856	+8.7	14,534	+26.6	22,065	−2.2
1971-72	51,304	+10.4	10,968	+11.3	18,926	+30.2	21,410	−3.0
1972-73	58,881	+14.8	13,055	+19.0	24,497	+29.4	21,329	−0.4
1973-74	67,061	+13.9	16,957	+29.9	28,919	+18.0	21,185	−0.7
1974-75	73,915	+10.2	20,170	+18.9	32,183	+11.3	21,562	+1.8
1975-76	77,065	+4.3	22,579	+11.9	34,625	+7.6	19,861	−7.9
1976-77	77,755	+0.9	23,452	+3.9	36,289	+4.8	18,014	−9.3
1977-78	77,874	+0.1	24,187	+3.1	36,556	+0.7	17,131	−4.9
1978-79	77,132	−1.0	25,048	+3.6	36,264	−0.8	15,820	−7.7
1979-80	75,523	−2.1	24,994	−0.2	36,034	−0.6	14,495	−8.4
1980-81	73,985	−2.0	24,370	−2.5	36,712	+1.9	12,903	−11.0
1981-82	74,052	+0.1	24,081	−1.2	38,289	+4.3	11,682	−9.5
1982-83	77,408	+4.5	23,855	−0.9	41,849	+9.3	11,704	+0.2
1983-84	80,312	+3.8	23,718	−0.6	44,394	+6.1	12,200	+4.2
1984-85	82,075	+2.2	24,975	+5.3	45,208	+1.8	11,892	−2.5
1985-86	77,027	−6.2	25,170	+0.8	41,333	−8.6	10,524	−11.5
1986-87	70,561	−8.4	23,761	−5.6	38,528	−6.8	8,272	−21.4
1987-88	64,839	−8.0	21,504	−9.5	37,397	−2.9	5,938	−28.2

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[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 32

GRADUATIONS FROM PUBLIC AND PRIVATE BASIC RN PROGRAMS, BY TYPE OF PROGRAM: 1978-79 TO 1987-88[1]

PUBLIC AND PRIVATE NURSING PROGRAMS	NUMBER OF GRADUATIONS									
	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
All Programs	**77,132**	**75,523**	**73,985**	**74,052**	**77,408**	**80,312**	**82,075**	**77,027**	**70,561**	**64,839**
Public	49,444	48,773	48,567	50,118	53,254	55,270	56,216	54,456	50,865	48,608
Private	27,688	26,750	25,418	23,934	24,154	25,042	25,859	22,571	19,696	16,231
Baccalaureate	25,048	24,994	24,370	24,081	23,855	23,718	24,975	25,170	23,761	21,504
Public	15,297	15,100	14,478	14,532	14,470	14,112	15,176	15,977	14,746	13,568
Private	9,751	9,894	9,892	9,549	9,385	9,606	9,799	9,193	9,015	7,936
Associate Degree	36,264	36,034	36,712	38,289	41,849	44,394	45,208	41,333	38,528	37,397
Public	32,293	31,904	32,560	33,988	37,097	39,314	39,521	36,806	34,696	33,795
Private	3,971	4,130	4,152	4,301	4,752	5,080	5,687	4,527	3,832	3,602
Diploma	15,820	14,495	12,903	11,682	11,704	12,200	11,892	10,524	8,272	5,938
Public	1,854	1,769	1,529	1,598	1,687	1,844	1,519	1,673	1,423	1,245
Private	13,966	12,726	11,374	10,084	10,017	10,356	10,373	8,851	6,849	4,693

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[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands

Table 33

GRADUATIONS FROM ALL BASIC RN PROGRAMS, BY NLN REGION AND STATE: 1978-79 TO 1987-88[1]

NLN REGION AND STATE	NUMBER OF GRADUATIONS									
	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
United States	**77,132**	**75,523**	**73,985**	**74,052**	**77,408**	**80,312**	**82,075**	**77,027**	**70,561**	**64,839**
North Atlantic	21,400	20,312	20,318	19,415	19,497	19,897	20,484	19,622	18,274	16,617
Midwest	23,213	23,065	22,523	22,508	23,969	25,041	25,208	23,378	20,664	18,072
South	22,014	21,489	20,740	20,914	22,391	24,308	25,181	23,250	21,397	20,123
West	10,505	10,657	10,404	11,215	11,551	11,066	11,202	10,777	10,226	10,027
Alabama	1,589	1,628	1,590	1,646	1,778	2,037	2,094	1,857	1,587	1,430
Alaska	43	57	37	71	78	56	78	61	51	46
Arizona	784	779	776	822	869	821	878	797	795	767
Arkansas	676	691	611	654	769	809	778	771	726	685
California	5,231	5,177	5,427	5,961	5,958	5,718	5,679	5,566	5,125	4,969
Colorado	662	772	608	674	607	674	667	585	521	552
Connecticut	1,072	1,000	976	943	914	846	1,003	917	814	733
Delaware	362	384	332	371	395	377	334	311	308	278
District of Columbia	389	342	391	344	284	312	352	332	279	246
Florida	2,456	2,387	2,649	2,698	2,917	3,342	3,272	2,995	2,655	2,715
Georgia	1,472	1,312	1,192	1,240	1,310	1,361	1,731	1,547	1,432	1,236
Hawaii	148	158	163	165	180	154	129	172	133	202
Idaho	267	286	237	260	295	298	257	249	212	228
Illinois	4,507	4,281	4,197	4,084	4,479	4,513	4,299	4,012	3,370	2,974
Indiana	2,053	2,006	1,922	1,947	2,140	1,979	2,131	2,230	2,026	1,755
Iowa	1,597	1,570	1,620	1,609	1,702	1,649	1,776	1,566	1,385	1,135
Kansas	944	968	949	984	1,029	1,071	1,229	1,051	915	843
Kentucky	1,312	1,282	1,178	1,157	1,290	1,304	1,325	1,287	1,092	1,148
Louisiana	1,027	965	928	955	957	956	939	1,000	998	999
Maine	414	395	383	381	446	422	372	379	364	288
Maryland	1,430	1,316	1,294	1,335	1,441	1,576	1,490	1,357	1,205	1,026
Massachusetts	2,871	2,669	2,675	2,469	2,612	2,584	2,736	2,420	2,386	2,029
Michigan	3,146	2,963	2,937	3,118	3,229	3,577	3,552	3,136	3,119	2,763
Minnesota	1,749	1,805	1,736	1,709	1,722	1,741	1,730	1,500	1,246	1,125
Mississippi	848	888	871	859	949	1,027	1,033	1,013	1,035	851
Missouri	1,805	1,811	1,727	1,682	1,806	1,933	1,947	1,859	1,461	1,397
Montana	251	209	205	197	212	254	244	258	245	203
Nebraska	757	713	699	788	782	825	819	503	430	288
Nevada	132	159	140	167	186	187	186	171	153	182
New Hampshire	333	316	278	280	292	333	383	334	311	305
New Jersey	2,304	2,244	2,260	2,034	2,014	2,044	2,010	2,072	1,863	1,678
New Mexico	341	438	315	355	384	382	363	407	430	385
New York	8,112	7,642	7,541	7,300	7,111	7,294	7,114	6,812	6,467	6,052
North Carolina	1,870	1,921	1,938	1,932	1,946	2,048	2,598	1,967	1,759	1,722
North Dakota	426	445	435	438	398	490	416	419	310	179
Ohio	4,126	4,168	4,061	3,936	4,317	4,659	4,748	4,782	4,355	3,753
Oklahoma	806	847	841	819	930	902	840	782	805	786
Oregon	815	789	719	768	866	711	757	740	748	755
Pennsylvania	4,797	4,636	4,828	4,588	4,803	4,982	5,441	5,304	4,844	4,459
Rhode Island	536	486	464	533	480	504	521	532	457	404
South Carolina	730	674	586	675	705	927	901	889	884	846
South Dakota	445	468	421	402	433	450	434	421	324	378
Tennessee	1,698	1,653	1,435	1,559	1,792	1,830	1,912	1,850	1,673	1,431
Texas	3,619	3,553	3,339	3,114	3,168	3,524	3,652	3,425	3,347	3,186
Utah	419	494	489	448	567	396	542	373	402	454
Vermont	210	198	190	172	177	199	218	209	181	145
Virginia	1,658	1,627	1,556	1,501	1,612	1,776	1,745	1,677	1,465	1,459
Washington	1,323	1,261	1,207	1,242	1,272	1,306	1,291	1,263	1,293	1,149
West Virginia	751	745	732	770	796	889	871	833	734	803
Wisconsin	1,730	1,867	1,918	1,811	1,930	2,154	2,127	1,899	1,723	1,482
Wyoming	89	78	81	85	77	109	131	135	118	135
American Samoa	0	0	0	0	0	32	11	10	10	10
Guam	38	16	16	17	11	11	12	12	12	—
Puerto Rico	746	866	874	893	1,045	1,127	1,286	1,017	1,045	908
Virgin Islands	16	10	15	13	10	8	12	13	12	17

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 34

GRADUATIONS FROM BACCALAUREATE NURSING PROGRAMS, BY NLN REGION AND STATE: 1978-79 TO 1987-88[1]

NLN REGION AND STATE	NUMBER OF GRADUATIONS[2]									
	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
United States	**25,048**	**24,994**	**24,370**	**24,081**	**23,855**	**23,718**	**24,975**	**25,170**	**23,761**	**21,504**
North Atlantic	7,107	7,131	7,208	7,207	6,903	6,557	6,915	6,744	6,320	5,720
Midwest	7,086	7,239	7,243	6,953	7,314	7,182	7,479	7,600	7,218	6,430
South	7,515	7,267	6,950	6,958	6,760	7,132	7,535	7,562	6,970	6,423
West	3,340	3,357	2,969	2,968	2,878	2,847	3,046	3,264	3,253	2,931
Alabama	679	629	612	617	706	825	955	781	688	568
Alaska	15	26	18	35	36	34	38	38	26	26
Arizona	255	304	268	278	255	250	310	251	279	247
Arkansas	167	169	149	155	163	235	185	207	188	200
California	1,433	1,277	1,264	1,244	1,189	1,153	1,252	1,362	1,394	1,283
Colorado	291	397	249	269	227	244	250	266	179	210
Connecticut	364	366	372	329	343	292	359	363	302	286
Delaware	149	188	149	190	184	161	180	166	167	137
District of Columbia	303	266	290	258	227	243	293	294	218	191
Florida	475	444	519	479	451	574	630	570	561	521
Georgia	348	399	337	347	392	395	467	425	446	415
Hawaii	55	72	80	64	70	52	0	65	89	90
Idaho	61	90	49	44	43	37	33	31	34	26
Illinois	1,131	1,069	1,207	1,055	1,182	1,122	1,171	1,185	1,156	984
Indiana	700	704	633	673	771	630	739	899	784	774
Iowa	522	474	446	451	417	398	432	438	410	322
Kansas	393	399	424	421	483	399	491	447	408	291
Kentucky	341	234	194	187	189	217	229	498	319	365
Louisiana	445	456	386	452	393	408	401	438	450	490
Maine	122	138	126	124	122	113	144	171	176	166
Maryland	399	427	372	418	443	436	404	393	379	345
Massachusetts	855	864	865	956	967	958	1,032	917	862	796
Michigan	950	925	943	917	945	960	898	902	897	850
Minnesota	602	628	613	616	588	598	582	507	466	415
Mississippi	250	297	271	286	293	324	337	356	359	309
Missouri	381	407	413	474	480	464	458	432	319	352
Montana	192	158	151	130	127	164	166	175	174	144
Nebraska	167	176	178	202	180	207	264	160	152	185
Nevada	35	54	35	41	34	41	38	43	33	35
New Hampshire	122	107	120	120	127	116	142	124	118	97
New Jersey	566	525	535	537	550	377	387	419	413	382
New Mexico	86	101	69	73	74	81	67	86	73	71
New York	2,869	2,876	2,877	2,713	2,388	2,323	2,166	1,982	1,959	1,724
North Carolina	770	748	809	752	667	611	663	626	558	508
North Dakota	206	237	210	206	191	234	163	192	198	179
Ohio	1,084	1,124	1,094	912	992	1,054	1,209	1,315	1,326	1,198
Oklahoma	345	356	343	331	306	311	306	339	314	254
Oregon	265	227	140	201	210	170	213	266	288	248
Pennsylvania	1,407	1,480	1,567	1,585	1,675	1,640	1,875	1,957	1,813	1,677
Rhode Island	275	253	246	322	252	261	262	279	214	193
South Carolina	274	222	216	269	232	283	264	363	354	309
South Dakota	186	192	171	198	183	184	174	175	157	152
Tennessee	408	417	369	431	448	480	489	537	449	415
Texas	1,816	1,758	1,642	1,507	1,380	1,252	1,440	1,293	1,232	1,105
Utah	106	122	104	82	128	154	147	168	192	162
Vermont	75	68	61	68	68	73	75	72	78	71
Virginia	581	558	572	559	539	623	594	573	528	476
Washington	505	494	501	480	461	436	496	461	453	366
West Virginia	145	153	159	168	158	158	171	163	145	143
Wisconsin	836	904	911	828	902	932	898	948	945	728
Wyoming	41	35	41	27	24	31	36	52	39	23
American Samoa	0	0	0	0	0	0	0	0	0	—
Guam	0	0	0	0	0	0	0	0	0	—
Puerto Rico	301	417	434	442	543	492	685	625	553	572
Virgin Islands	0	0	0	0	0	0	0	4	7	9

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Includes basic students only.

Table 35

GRADUATIONS FROM ASSOCIATE DEGREE NURSING PROGRAMS, BY NLN REGION AND STATE: 1978-79 TO 1987-88[1]

NLN REGION AND STATE	NUMBER OF GRADUATIONS									
	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
United States	**36,264**	**36,034**	**36,712**	**38,289**	**41,849**	**44,394**	**45,208**	**41,333**	**38,528**	**37,397**
North Atlantic	8,238	7,934	8,285	8,000	8,507	8,914	9,231	8,791	8,530	8,164
Midwest	9,529	9,667	9,843	10,549	11,580	12,612	12,679	11,512	10,418	9,734
South	11,903	11,671	11,632	11,970	13,488	15,034	15,454	13,744	12,794	12,570
West	6,594	6,762	6,952	7,770	8,274	7,834	7,844	7,286	6,786	6,929
Alabama	795	878	889	918	941	1,117	1,029	972	865	842
Alaska	28	31	19	36	42	22	40	23	25	20
Arizona	529	475	508	544	614	571	568	546	516	520
Arkansas	451	450	396	448	537	482	509	475	435	395
California	3,511	3,597	3,840	4,375	4,495	4,326	4,181	4,002	3,544	3,519
Colorado	281	302	299	343	338	367	351	294	342	342
Connecticut	441	382	358	381	333	338	377	310	309	282
Delaware	131	97	128	123	147	137	146	133	129	133
District of Columbia	40	31	65	51	57	69	59	38	61	55
Florida	1,835	1,795	1,998	2,082	2,346	2,648	2,505	2,315	2,017	2,143
Georgia	815	684	675	746	788	890	1,159	981	820	745
Hawaii	93	86	83	101	110	102	129	107	44	112
Idaho	206	196	188	216	252	261	224	218	178	202
Illinois	2,036	2,009	1,931	2,079	2,338	2,475	2,260	2,096	1,818	1,712
Indiana	993	993	1,006	1,017	1,143	1,116	1,098	1,078	984	845
Iowa	608	627	779	779	892	858	921	778	795	699
Kansas	312	333	362	426	438	568	603	511	470	519
Kentucky	892	905	894	882	994	1,087	1,096	789	773	783
Louisiana	368	292	367	306	378	344	344	344	326	328
Maine	185	156	150	136	242	219	189	161	163	122
Maryland	854	721	785	763	841	948	897	825	732	609
Massachusetts	1,052	1,008	1,049	881	1,037	1,042	1,055	995	1,129	942
Michigan	1,521	1,432	1,546	1,772	1,861	2,287	2,346	1,980	2,016	1,755
Minnesota	909	936	913	900	919	959	965	901	780	710
Mississippi	536	554	591	545	630	678	670	657	676	542
Missouri	664	657	633	597	705	757	866	804	677	666
Montana	59	51	54	67	85	90	78	83	71	59
Nebraska	227	218	238	284	294	265	247	65	56	41
Nevada	97	105	105	126	152	146	148	128	120	147
New Hampshire	75	75	81	80	94	177	203	187	179	179
New Jersey	986	1,038	1,140	987	909	1,084	1,026	975	820	794
New Mexico	255	337	246	282	310	301	296	321	357	314
New York	3,905	3,737	3,765	3,848	4,014	4,112	4,278	4,201	3,985	4,002
North Carolina	880	957	914	1,009	1,090	1,245	1,719	1,159	1,070	1,126
North Dakota	83	87	93	100	94	106	114	87	61	—
Ohio	1,570	1,670	1,629	1,789	1,958	2,116	2,114	2,199	1,926	1,868
Oklahoma	433	468	464	465	583	591	534	443	491	532
Oregon	449	464	479	494	573	458	544	474	460	507
Pennsylvania	1,098	1,101	1,248	1,242	1,405	1,432	1,567	1,466	1,450	1,412
Rhode Island	190	179	172	167	191	178	188	188	202	169
South Carolina	437	428	353	394	459	615	608	514	524	537
South Dakota	178	185	170	148	191	200	201	202	139	209
Tennessee	906	870	769	838	959	896	906	854	840	807
Texas	1,525	1,516	1,441	1,422	1,564	2,071	2,088	2,023	2,013	1,973
Utah	313	372	385	366	439	242	395	205	210	292
Vermont	135	130	129	104	109	126	143	137	103	74
Virginia	654	661	627	647	796	811	796	825	709	799
Washington	725	703	706	762	811	870	795	802	840	783
West Virginia	522	492	469	505	551	611	594	568	503	409
Wisconsin	428	520	543	658	747	905	944	811	696	710
Wyoming	48	43	40	58	53	78	95	83	79	112
American Samoa	0	0	0	0	0	32	11	10	10	10
Guam	38	16	16	17	11	11	12	12	12	—
Puerto Rico	445	449	440	451	502	635	601	392	492	336
Virgin Islands	16	10	15	13	10	8	12	9	5	8

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands

Table 36

GRADUATIONS FROM DIPLOMA NURSING PROGRAMS, BY NLN REGION AND STATE: 1978-79 TO 1987-88[1]

NLN REGION AND STATE	NUMBER OF GRADUATIONS									
	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
United States	**15,820**	**14,495**	**12,903**	**11,682**	**11,704**	**12,200**	**11,892**	**10,524**	**8,272**	**5,938**
North Atlantic	6,055	5,247	4,825	4,213	4,087	4,426	4,338	4,087	3,424	2,733
Midwest	6,598	6,159	5,437	5,006	5,075	5,247	5,050	4,266	3,028	1,908
South	2,596	2,551	2,158	1,986	2,143	2,142	2,192	1,944	1,633	1,130
West	571	538	483	477	399	385	312	277	187	167
Alabama	115	121	89	111	131	95	110	104	34	20
Alaska	0	0	0	0	0	0	0	0	0	–
Arizona	0	0	0	0	0	0	0	0	0	–
Arkansas	58	72	66	51	69	92	84	89	103	90
California	287	303	323	342	274	239	246	202	187	167
Colorado	90	73	60	62	42	63	66	25	0	–
Connecticut	267	252	246	233	238	216	267	244	203	165
Delaware	82	99	55	58	64	79	8	12	12	8
District of Columbia	46	45	36	35	0	0	0	0	0	–
Florida	146	148	132	137	120	120	137	110	77	51
Georgia	309	229	180	147	130	76	105	141	166	76
Hawaii	0	0	0	0	0	0	0	0	0	–
Idaho	0	0	0	0	0	0	0	0	0	–
Illinois	1,340	1,203	1,059	950	959	916	868	731	396	278
Indiana	360	309	283	257	226	233	294	253	258	136
Iowa	467	469	395	379	393	393	423	350	180	114
Kansas	239	236	163	137	108	104	135	93	37	33
Kentucky	79	143	90	88	107	0	0	0	0	–
Louisiana	214	217	175	197	186	204	194	218	222	181
Maine	107	101	107	121	82	90	39	47	25	–
Maryland	177	168	137	154	157	192	189	139	94	72
Massachusetts	964	797	761	632	608	584	649	508	395	291
Michigan	675	606	448	429	423	330	308	254	206	158
Minnesota	238	241	210	193	215	184	183	92	0	–
Mississippi	62	37	9	28	26	25	26	0	0	–
Missouri	760	747	681	611	623	712	623	623	465	379
Montana	0	0	0	0	0	0	0	0	0	–
Nebraska	363	319	283	302	308	353	308	278	222	62
Nevada	0	0	0	0	0	0	0	0	0	–
New Hampshire	136	134	77	80	71	40	38	23	14	29
New Jersey	752	681	585	510	555	583	597	678	630	502
New Mexico	0	0	0	0	0	0	0	0	0	–
New York	1,338	1,029	899	739	709	859	670	629	523	326
North Carolina	220	216	215	171	189	192	216	182	131	88
North Dakota	137	121	132	132	113	150	139	140	51	–
Ohio	1,472	1,374	1,338	1,235	1,367	1,499	1,425	1,268	1,103	687
Oklahoma	28	23	34	23	41	0	0	0	0	–
Oregon	101	98	100	73	83	83	0	0	0	–
Pennsylvania	2,292	2,055	2,013	1,761	1,723	1,910	1,999	1,881	1,581	1,370
Rhode Island	71	54	46	44	37	65	71	65	41	42
South Carolina	19	24	17	12	14	29	29	12	6	–
South Dakota	81	91	80	56	59	66	59	44	28	17
Tennessee	384	366	297	290	385	454	517	459	384	209
Texas	278	279	256	185	224	201	124	109	102	108
Utah	0	0	0	0	0	0	0	0	0	–
Vermont	0	0	0	0	0	0	0	0	0	–
Virginia	423	408	357	295	277	342	355	279	228	184
Washington	93	64	0	0	0	0	0	0	0	–
West Virginia	84	100	104	97	87	120	106	102	86	51
Wisconsin	466	443	365	325	281	317	285	140	82	44
Wyoming	0	0	0	0	0	0	0	0	0	–
American Samoa	0	0	0	0	0	0	0	0	0	–
Guam	0	0	0	0	0	0	0	0	0	–
Puerto Rico	0	0	0	0	0	0	0	0	0	–
Virgin Islands	0	0	0	0	0	0	0	0	0	–

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 37
GRADUATIONS FROM ACCREDITED AND NON-ACCREDITED PROGRAMS, BY NLN REGION AND STATE AND TYPE OF PROGRAM: 1987-1988[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS	NUMBER OF GRADUATIONS											
		ALL BASIC RN PROGRAMS			BACCALAUREATE PROGRAMS			ASSOCIATE DEGREE PROGRAMS			DIPLOMA PROGRAMS		
		Total	Accredited	Not Accredited	Total	Accredited	Not Accredited	Total	Accredited	Not Accredited	Total	Accredited	Not Accredited
United States	**1,442**	**64,839**	**54,126**	**10,713**	**21,504**	**21,124**	**380**	**37,397**	**27,090**	**10,307**	**5,938**	**5,912**	**26**
North Atlantic	343	16,617	15,476	1,141	5,720	5,696	24	8,164	7,073	1,091	2,733	2,707	26
Midwest	415	18,072	15,018	3,054	6,430	6,301	129	9,734	6,809	2,925	1,908	1,908	—
South	475	20,123	16,778	3,345	6,423	6,284	139	12,570	9,364	3,206	1,130	1,130	—
West	209	10,027	6,854	3,173	2,931	2,843	88	6,929	3,844	3,085	167	167	
Alabama	36	1,430	1,430	0	568	568	—	842	842	0	20	20	—
Alaska	2	46	46	—	26	26	—	20	20	—	—	—	—
Arizona	15	767	752	15	247	247	—	520	505	15	—	—	—
Arkansas	21	685	625	60	200	200	—	395	335	60	90	90	—
California	90	4,969	2,707	2,262	1,283	1,243	40	3,519	1,297	2,222	167	167	—
Colorado	12	552	296	256	210	198	12	342	98	244	—	—	—
Connecticut	18	733	733	—	286	286	—	282	282	—	165	165	—
Delaware	6	278	240	38	137	137	—	133	95	38	8	8	—
District of Columbia	5	246	246	—	191	191	—	55	55	—	—	—	—
Florida	40	2,715	1,800	915	521	487	34	2,143	1,262	881	51	51	—
Georgia	32	1,236	1,230	6	415	409	6	745	745	—	76	76	—
Hawaii	6	202	154	48	90	54	36	112	100	12	—	—	—
Idaho	7	228	228	—	26	26	—	202	202	—	—	—	—
Illinois	72	2,974	2,547	427	984	973	11	1,712	1,296	416	278	278	—
Indiana	42	1,755	1,714	41	774	774	0	845	804	41	136	136	—
Iowa	36	1,135	579	556	322	322	—	699	143	556	114	114	—
Kansas	30	843	801	42	291	291	—	519	477	42	33	33	—
Kentucky	27	1,168	898	270	385	385	—	783	513	270	—	—	—
Louisiana	21	999	908	91	490	441	49	328	286	42	181	181	—
Maine	15	288	277	11	166	166	—	122	111	11	—	—	—
Maryland	23	1,026	857	169	345	345	—	609	440	169	72	72	—
Massachusetts	44	2,029	1,951	78	796	796	—	942	864	78	291	291	—
Michigan	48	2,763	1,640	1,123	850	850	—	1,755	632	1,123	158	158	—
Minnesota	23	1,125	886	239	415	380	35	710	506	204	—	—	—
Mississippi	21	851	805	46	309	309	—	542	496	46	—	—	—
Missouri	40	1,397	1,177	220	352	350	2	666	448	218	379	379	—
Montana	4	203	144	59	144	144	—	59	—	59	—	—	—
Nebraska	10	288	288	0	185	185	—	41	41	0	62	62	—
Nevada	7	182	107	75	35	35	0	147	72	75	—	—	—
New Hampshire	10	305	227	78	97	97	—	179	101	78	29	29	—
New Jersey	38	1,678	1,678	0	382	382	—	794	794	0	502	502	—
New Mexico	14	385	251	134	71	71	—	314	180	134	—	—	—
New York	100	6,052	5,535	517	1,724	1,724	—	4,002	3,511	491	326	300	26
North Carolina	57	1,722	701	1,021	508	508	—	1,126	105	1,021	88	88	—
North Dakota	6	179	179	—	179	179	—	—	—	—	—	—	—
Ohio	87	3,753	3,543	210	1,198	1,198	0	1,868	1,658	210	687	687	—
Oklahoma	27	786	786	—	254	254	—	532	532	—	—	—	—
Oregon	18	755	594	161	248	248	—	507	346	161	—	—	—
Pennsylvania	82	4,459	4,058	401	1,677	1,653	24	1,412	1,035	377	1,370	1,370	—
Rhode Island	7	404	404	—	193	193	—	169	169	—	42	42	—
South Carolina	20	846	688	158	309	281	28	537	407	130	—	—	—
South Dakota	9	378	354	24	152	152	—	209	185	24	17	17	—
Tennessee	36	1,431	1,419	12	415	403	12	807	807	—	209	209	—
Texas	64	3,186	2,791	395	1,105	1,105	—	1,973	1,578	395	108	108	—
Utah	4	454	454	—	162	162	—	292	292	—	—	—	—
Vermont	5	145	127	18	71	71	—	74	56	18	—	—	—
Virginia	34	1,459	1,346	113	476	476	—	799	686	113	184	184	—
Washington	24	1,149	1,018	131	366	366	—	783	652	131	—	—	—
West Virginia	18	603	514	89	143	133	10	409	330	79	51	51	—
Wisconsin	29	1,482	1,310	172	728	647	81	710	619	91	44	44	—
Wyoming	6	135	103	32	23	23	—	112	80	32	—	—	
American Samoa	1	10	—	10	—	—	—	10	—	10	—	—	—
Guam	1	—	—	—	—	—	—	—	—	—	—	—	—
Puerto Rico	22	908	586	322	572	406	166	336	180	156	—	—	—
Virgin Islands	2	17	17	—	9	9	—	8	8	—	—	—	—

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Graduations of RNs from Baccalaureate Nursing Programs (Tables 38–40)

- The total number of RNs to graduate from baccalaureate programs grew to 11,168 in 1987–88—a 7.6 percent increase from the previous year. Graduates from basic baccalaureate programs constitute 60 percent (6,710) of the returning RN group and RNs in special BRN programs represent 40 percent (4,458) of the RN group (see Table 38).

- The combined total of both basic and RN baccalaureate graduates rose to 36,672—a 6.4 percent increase from 1986–87. The returning RN represented 29 percent of total BSN graduations (see Table 38).

- The Midwest contains the largest group of RN graduates from baccalaureate programs, with over 33 percent of the total. The North Atlantic placed second with 27 percent of the total. The South reported 25 percent of returning RN graduates; and the West, 14 percent (see Table 39).

- Almost 60 percent (6,683) of the 1987–88 Rn graduates from baccalaureate programs previously held the associate degree. In 1983–84, 48 percent of RN graduates from baccalaureate programs previously held diploma (see Figure 14).

- **TEN-YEAR TREND:** Basic graduations from BSN programs fell 14 percent in the past ten years, whereas the number of RNs to receive baccalaureate degrees rose 74 percent during that time. The combined number of baccalaureate graduations increased 16.5 percent in the past decade.

- **FIVE-YEAR TREND:** The proportion of RN graduations from baccalaureate programs increased slightly from about 30 percent in 1984 to 34 percent of total BSN graduations in 1988. The percentage of RNs graduating from basic baccalaureate programs has been increasing vis-a-vis those RNs graduating from programs designed exclusively for RNs (see Figure 15).

Figure 14

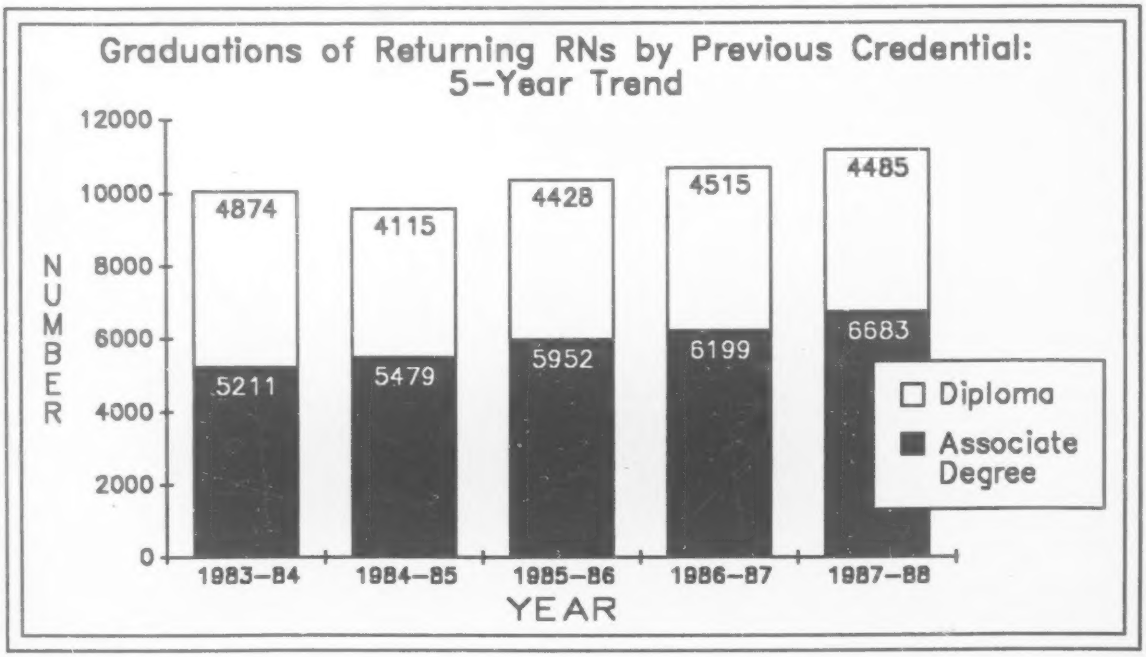
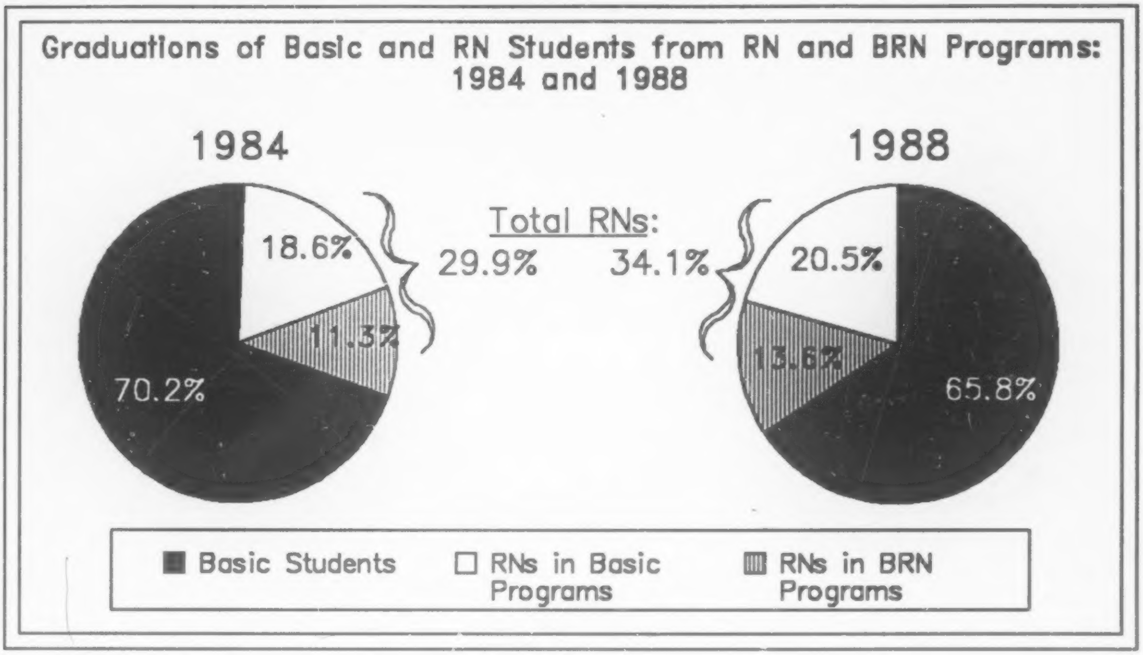


Figure 15



Graduations of Basic and RN Students from RN and BRN Programs: 1984 and 1988

Table 38
BASIC AND RN STUDENT GRADUATIONS FROM BACCALAUREATE NURSING PROGRAMS: 1978-79 TO 1987-88[1]

YEAR	GRADUATIONS FROM BACCALAUREATE NURSING PROGRAMS			
	Total Graduations	Basic Programs		BRN* Programs
		Basic Students	RN Students	RN Students
1978-79	31,462	25,048	4,034	2,380
1979-80	32,312	24,994	4,477	2,841
1980-81	32,608	24,370	4,872	3,366
1981-82	33,252	24,081	5,748	3,423
1982-83	32,748	23,855	5,654	3,239
1983-84	33,803	23,718	6,275	3,810
1984-85	34,569	24,975	5,587	4,007
1985-86	35,550	25,170	5,698	4,682
1986-87	34,475	23,761	6,591	4,123
1987-88	32,672	21,504	6,710	4,458

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

* BRN programs are baccalaureate programs that admit only RNs.

Table 39

GRADUATIONS OF REGISTERED NURSES FROM BACCALAUREATE NURSING PROGRAMS, BY PREVIOUS BASIC NURSING EDUCATION AND REGION: 1983-84 TO 1987-88[1]

YEAR AND REGION	BACCALAUREATE PROGRAMS ACCEPTING RNs	PREVIOUS NURSING CREDENTIAL[2]		
		Total	Diploma	Associate Degree
1983-84 (Total)	**549**	**10,085**	**4,874**	**5,211**
North Atlantic	147	3,143	1,661	1,482
Midwest	162	2,575	1,493	1,082
South	168	2,888	1,297	1,591
West	72	1,479	423	1,056
1984-85 (Total)	**602**	**9,594**	**4,115**	**5,479**
North Atlantic	156	2,946	1,422	1,524
Midwest	180	2,709	1,437	1,272
South	189	2,588	887	1,701
West	77	1,351	369	982
1985-86 (Total)	**616**	**10,380**	**4,428**	**5,952**
North Atlantic	164	2,827	1,342	1,485
Midwest	186	2,897	1,437	1,460
South	191	2,556	932	1,624
West	75	2,100	717	1,383
1986-87 (Total)	**623**	**10,714**	**4,515**	**6,199**
North Atlantic	160	3,172	1,579	1,593
Midwest	188	3,285	1,651	1,634
South	197	2,681	840	1,841
West	78	1,576	445	1,131
1987-88 (Total)	**626**	**11,168**	**4,485**	**6,683**
North Atlantic	159	3,007	1,488	1,519
Midwest	194	3,731	1,748	1,983
South	197	2,833	892	1,941
West	76	1,597	357	1,240

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Includes RNs in basic programs, RNs in BRN programs, and basic BSN students.

Table 40

TOTAL GRADUATIONS FROM BACCALAUREATE NURSING PROGRAMS, BY NLN REGION AND STATE: 1984 TO 1988[1]

NLN REGION AND STATE	GRADUATIONS IN BACCALAUREATE NURSING PROGRAMS [2]									
	1984		1985		1986		1987		1988	
	Total	RNs Only	Total	RNs Only	Total	RNs Only	Total	RNs Only	Total	RNs Only
United States	**33,803**	**10,085**	**34,569**	**9,594**	**35,550**	**10,380**	**34,475**	**10,714**	**32,672**	**11,168**
North Atlantic	9,700	3,143	9,861	2,946	9,571	2,827	9,492	3,172	8,727	3,007
Midwest	9,757	2,575	10,188	2,709	10,497	2,897	10,503	3,285	10,161	3,731
South	10,020	2,888	10,123	2,588	10,118	2,556	9,651	2,681	9,256	2,833
West	4,326	1,479	4,397	1,351	5,364	2,100	4,829	1,576	4,528	1,597
Alabama	1,019	194	1,132	177	949	168	866	178	760	192
Alaska	39	5	48	10	50	12	58	32	58	32
Arizona	392	142	452	142	615	364	461	182	439	192
Arkansas	276	41	216	31	232	25	229	41	246	46
California	1,768	615	1,903	651	2,108	746	2,127	733	2,050	767
Colorado	410	166	354	104	801	535	308	129	375	165
Connecticut	416	124	442	83	475	112	394	92	417	131
Delaware	1,173	12	209	29	204	38	192	25	162	25
District of Columbia	303	60	355	62	333	39	271	53	223	32
Florida	915	341	1,031	401	915	345	936	375	861	340
Georgia	546	153	543	76	545	120	608	162	597	182
Hawaii	115	63	48	48	85	20	171	82	126	36
Idaho	60	23	59	26	62	31	67	33	58	32
Illinois	1,536	414	1,644	473	1,687	502	1,755	599	1,567	503
Indiana	838	208	1,019	280	1,164	265	1,122	338	1,100	326
Iowa	537	139	521	89	561	123	590	180	839	517
Kansas	474	75	577	86	527	80	494	66	387	96
Kentucky	438	221	493	264	671	173	520	201	560	195
Louisiana	461	53	449	48	479	41	493	43	536	46
Maine	136	23	176	32	200	29	207	31	205	39
Maryland	651	215	632	228	579	186	549	170	570	225
Massachusetts	1,405	447	1,443	411	1,363	446	1,500	638	1,235	439
Michigan	1,259	299	1,267	369	1,357	455	1,337	440	1,296	446
Minnesota	752	154	742	160	699	192	655	189	612	197
Mississippi	454	130	420	83	427	71	441	82	379	70
Missouri	801	337	751	273	734	302	658	339	772	420
Montana	176	12	177	11	175	0	177	3	145	1
Nebraska	333	126	496	232	437	277	368	216	457	272
Nevada	62	21	66	28	68	25	65	32	72	37
New Hampshire	148	32	190	48	147	23	132	14	138	41
New Jersey	714	337	684	297	657	238	696	283	677	295
New Mexico	113	32	101	34	133	47	118	45	90	19
New York	3,605	1,282	3,348	1,182	3,130	1,148	3,122	1,163	2,864	1,140
North Carolina	816	205	800	137	824	198	800	242	726	218
North Dakota	249	15	185	22	212	20	251	53	252	73
Ohio	1,577	523	1,668	459	1,861	546	1,856	530	1,661	463
Oklahoma	376	65	364	58	396	57	378	64	350	96
Oregon	230	60	283	70	357	91	377	89	318	70
Pennsylvania	2,355	715	2,565	690	2,624	667	2,555	742	2,486	809
Rhode Island	349	86	329	67	337	58	317	103	235	42
South Carolina	385	102	353	89	536	173	441	87	399	90
South Dakota	210	26	193	19	190	15	189	32	183	31
Tennessee	623	143	667	178	711	174	617	168	662	247
Texas	1,887	635	1,903	463	1,754	461	1,700	468	1,576	471
Utah	367	213	240	93	252	84	255	63	274	112
Vermont	96	23	120	45	101	29	106	28	85	14
Virginia	856	233	836	242	798	225	757	229	736	260
Washington	559	123	619	123	589	128	596	143	482	116
West Virginia	315	157	284	113	302	139	316	171	298	155
Wisconsin	1,191	259	1,125	227	1,068	120	1,228	283	1,035	307
Wyoming	35	4	47	11	69	17	49	10	41	18
American Samoa	0	0	0	0	0	0	0	0	—	—
Guam	0	0	2	2	0	0	1	1	—	—
Puerto Rico	674	182	883	198	930	305	769	216	710	138
Virgin Islands	0	0	0	0	10	6	9	2	9	—

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Totals include RNs in basic programs, RNs in BRN programs, and basic BSN students.

Men and Minority Students

MEN AND MINORITY STUDENTS

- Eighty-seven percent (1,257) of all basic RN programs reported data on men and minority students. According to region, the response rate to this section of the questionnaire was 86 percent for the North Atlantic, 87 percent for the Midwest, 90 percent for the South, and 82 percent for the West.

- By program type, the response rate for the section on men and minority students was 95 percent for diploma programs, 86 percent for baccalaureate programs, and 86 percent for associate degree programs.

Admissions of Men and Minority Students (Tables 41–45)

- The number of men admitted to basic RN programs stood at 5,958 or 7.3 percent of tot[illegible]missions in 1987–88 (see Figure 16). Among regions, the West had the highest proportion of men, 8.6 percent of the annual admissions. The Midwest reported the least—6.2 percent of their annual admissions were men; 7.4 percent in the South; and 7.1 percent in the North Atlantic (see Table 41).

- Blacks constituted 10.6 percent of total annual admissions to basic RN programs in 1987–88 (see Figure 17). Programs in the South admitted the highest proportion of black students, 14.4 percent. The North Atlantic reported an admission rate for blacks of 12.3 percent; the Midwest, 6.5 percent; and the West, 4.8 percent (see Table 41).

- Hispanic students represented 3.2 percent of the total annual admissions to basic RN programs (see Figure 17). The West reported that 7.7 percent of the admissions were Hispanic; the South reported 3.3 percent; the North Atlantic, 2.5 percent; and the Midwest, slightly over 1 percent (see Table 41).

- Asian students constituted 2.2 percent of annual admissions to basic RN programs in 1987–88 (see Figure 17). The West reported that 6.7 percent of their admissions were Asian, and Asian students made up 1.8 percent of the annual admissions in the North Atlantic. The Midwest and South report 1.4 and 1.3 percent Asian admissions respectively (see Table 41).

- American Indians made up less than 1 percent of all admissions to basic RN programs (see Table 41 and 45 and Figure 17). The West reported that 2.2 percent of their admissions were American Indian.

- The West reported the highest percentages of admissions of men, Hispanics, Asians, and American Indians across all program types. The South reported the most black students admitted (see Table 41).

- Since 1978, when data on men and minority students was first reported, the proportion of each of these groups admitted to basic RN programs has fluctuated. In the 1987–88 figures, however, the proportion of men and minorities appears stable in almost all categories (see Table 45).

- Associate degree programs reported the largest percentage of male, black, American Indian, and Hispanic admissions. Baccalaureate programs reported the most Asian admissions.

Figure 16

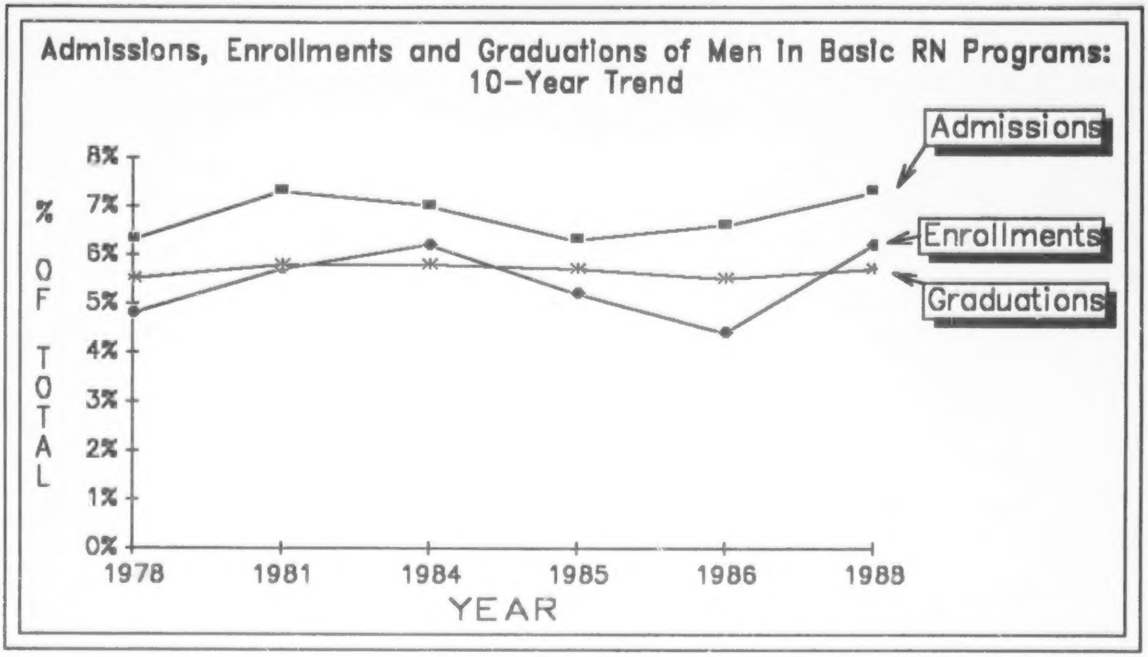

Figure 17

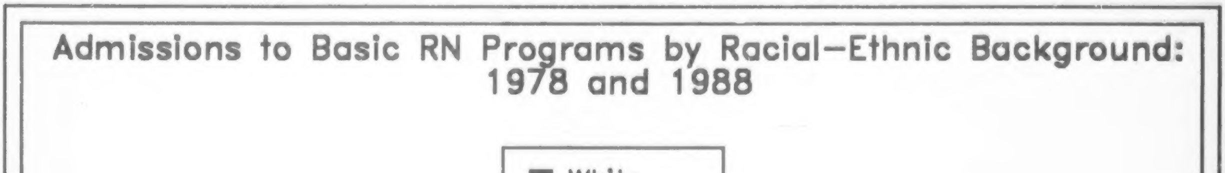

Table 41
ADMISSIONS OF MEN AND MINORITY STUDENTS TO ALL BASIC RN PROGRAMS, BY NLN REGION AND STATE: 1987-88[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL RN ADMISSIONS[2]	NUMBER OF ADMISSIONS				
			Males	Blacks	Hispanic	Asian	American Indian
United States	**1,257**	**82,331**	**5,958**	**8,707**	**2,606**	**1,817**	**583**
North Atlantic	295	20,773	1,490	2,558	515	381	80
Midwest	363	20,931	1,314	1,373	249	301	107
South	427	29,399	2,186	4,238	972	383	153
West	172	11,228	968	536	870	752	243
Alabama	32	1,961	112	444	6	9	2
Alaska	0	—	—	—	—	—	—
Arizona	14	934	86	23	67	21	24
Arkansas	20	1,254	127	178	3	13	7
California	69	5,060	334	421	495	554	48
Colorado	11	845	75	34	64	13	5
Connecticut	15	1,042	48	98	29	10	1
Delaware	4	253	18	35	3	1	—
District of Columbia	4	267	14	135	6	9	2
Florida	33	2,987	226	522	232	51	8
Georgia	31	2,010	137	332	15	29	3
Hawaii	4	205	18	2	41	50	78
Idaho	7	391	44	—	8	1	7
Illinois	64	3,281	162	393	93	133	6
Indiana	35	2,090	95	135	30	9	3
Iowa	29	1,233	56	11	3	6	4
Kansas	30	1,033	66	44	25	17	8
Kentucky	24	1,674	99	61	1	10	—
Louisiana	21	1,558	163	289	8	12	5
Maine	13	360	22	1	1	1	1
Maryland	22	1,389	82	285	23	27	1
Massachusetts	35	2,054	118	165	33	19	2
Michigan	41	2,878	169	257	25	48	14
Minnesota	19	1,141	66	15	9	10	9
Mississippi	20	1,420	92	300	2	1	1
Missouri	36	1,662	103	127	11	9	7
Montana	3	256	21	1	1	1	10
Nebraska	10	663	41	21	9	4	1
Nevada	7	268	45	4	11	11	5
New Hampshire	9	405	15	2	—	—	1
New Jersey	34	2,484	98	203	76	63	2
New Mexico	11	604	77	15	132	6	45
New York	90	8,228	749	1,543	337	220	65
North Carolina	49	2,451	143	333	11	12	18
North Dakota	5	191	21	3	—	—	10
Ohio	60	4,331	339	275	31	38	7
Oklahoma	25	1,246	87	49	8	20	80
Oregon	16	791	79	2	10	26	5
Pennsylvania	82	5,199	364	324	23	45	6
Rhode Island	5	343	34	49	6	13	—
South Carolina	15	986	35	140	3	5	1
South Dakota	9	542	59	2	—	5	30
Tennessee	32	2,772	188	258	8	16	1
Texas	54	4,751	530	689	629	117	22
Utah	4	450	42	2	7	7	—
Vermont	4	138	10	3	1	—	—
Virginia	33	2,039	106	337	23	57	4
Washington	21	1,265	133	33	31	59	14
West Virginia	16	901	59	21	—	4	—
Wisconsin	25	1,886	127	90	13	22	8
Wyoming	5	139	14	1	3	3	2
American Samoa	0	—	—	—	—	—	—
Guam	0	—	—	—	—	—	—
Puerto Rico	17	1,281	154	2	1,206	—	—
Virgin Islands	2	19	—	15	—	—	—

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Figures represent only those programs responding to this section of the questionnaire.

Table 42
ADMISSIONS OF MEN AND MINORITY STUDENTS TO BACCALAUREATE PROGRAMS, BY NLN REGION AND STATE: 1987-88[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL BACCALAUREATE ADMISSIONS[2]	NUMBER OF ADMISSIONS				
			Males	Blacks	Hispanic	Asian	American Indian
United States	**412**	**24,855**	**1,675**	**2,566**	**662**	**682**	**127**
North Atlantic	91	5,430	343	598	150	99	16
Midwest	133	7,315	433	395	79	142	30
South	142	8,741	631	1,476	274	174	38
West	46	3,369	268	97	159	267	43
Alabama	11	827	24	195	4	5	1
Alaska	0	—	—	—	—	—	—
Arizona	3	234	26	5	20	6	6
Arkansas	7	310	33	40	—	5	1
California	17	1,471	76	66	76	167	16
Colorado	5	271	21	8	14	6	1
Connecticut	6	478	16	24	4	7	—
Delaware	0	—	—	—	—	—	—
District of Columbia	3	177	10	56	3	3	2
Florida	11	493	30	110	46	11	1
Georgia	12	561	41	121	6	21	3
Hawaii	1	52	6	2	2	20	—
Idaho	2	78	10	—	4	1	—
Illinois	24	1,034	33	105	20	52	1
Indiana	15	961	23	78	10	5	2
Iowa	9	318	14	4	—	3	—
Kansas	11	403	34	15	8	12	4
Kentucky	7	550	34	27	1	8	—
Louisiana	12	911	86	196	4	7	2
Maine	5	208	14	1	1	1	1
Maryland	5	328	18	26	7	11	1
Massachusetts	11	552	41	38	14	5	—
Michigan	13	993	59	78	11	33	1
Minnesota	9	277	16	3	2	5	1
Mississippi	7	322	10	78	—	1	—
Missouri	10	447	19	16	2	2	1
Montana	2	220	19	1	—	1	9
Nebraska	7	538	38	20	9	4	1
Nevada	2	71	33	4	9	10	3
New Hampshire	2	64	2	—	—	—	—
New Jersey	6	595	13	43	22	15	—
New Mexico	1	77	9	—	11	2	3
New York	29	1,750	171	345	99	51	12
North Carolina	12	553	40	137	4	3	10
North Dakota	5	191	21	3	—	—	10
Ohio	16	1,039	83	48	10	14	2
Oklahoma	10	400	41	27	6	16	15
Oregon	4	288	20	1	3	21	2
Pennsylvania	28	1,561	74	91	5	16	1
Rhode Island	1	45	2	—	2	1	—
South Carolina	4	211	7	11	—	1	—
South Dakota	3	181	41	—	—	1	3
Tennessee	12	974	75	41	3	2	—
Texas	17	1,387	135	363	185	50	3
Utah	3	231	18	1	1	7	—
Vermont	0	—	—	—	—	—	—
Virginia	9	643	41	96	8	30	1
Washington	5	317	22	9	17	24	3
West Virginia	6	271	16	8	—	3	—
Wisconsin	11	933	52	25	7	11	4
Wyoming	1	59	8	—	2	2	—
American Samoa	0	—	—	—	—	—	—
Guam	0	—	—	—	—	—	—
Puerto Rico	10	651	62	1	599	—	—
Virgin Islands	1	9	—	8	—	—	—

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin islands.

[2] Figures represent only those programs responding to this section of the questionnaire.

Table 43

ADMISSIONS OF MEN AND MINORITY STUDENTS TO ASSOCIATE DEGREE PROGRAMS, BY NLN REGION AND STATE: 1987-88[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL ASSOC. DEGREE ADMISSIONS[2]	NUMBER OF ADMISSIONS				
			Males	Blacks	Hispanic	Asian	American Indian
United States	**682**	**49,329**	**3,726**	**5,376**	**1,775**	**1,003**	[illegible]
North Atlantic	125	11,780	903	1,721	317	219	[illegible]
Midwest	178	11,217	715	829	145	134	63
South	254	18,639	1,408	2,404	632	191	110
West	125	7,693	700	422	681	459	199
Alabama	19	1,101	85	245	2	4	1
Alaska	0	—	—	—	—	—	—
Arizona	11	700	60	18	47	15	18
Arkansas	11	632	58	53	1	5	4
California	51	3,443	258	336	389	361	31
Colorado	6	574	54	26	50	7	4
Connecticut	4	337	22	59	19	1	1
Delaware	3	236	18	34	3	1	—
District of Columbia	1	90	4	79	3	6	—
Florida	21	2,415	192	403	155	40	7
Georgia	18	1,355	96	206	7	8	—
Hawaii	3	153	12	—	39	30	78
Idaho	5	313	34	—	4	—	7
Illinois	29	1,987	114	267	67	69	5
Indiana	17	1,012	69	57	19	4	1
Iowa	15	748	35	6	2	3	4
Kansas	17	601	30	29	16	5	4
Kentucky	17	1,124	65	34	—	2	—
Louisiana	6	412	54	53	3	4	3
Maine	8	152	8	—	—	—	—
Maryland	14	927	61	213	15	16	—
Massachusetts	16	1,174	63	111	18	11	2
Michigan	25	1,731	100	153	14	14	13
Minnesota	10	864	50	12	7	5	8
Mississippi	13	1,098	82	222	2	—	1
Missouri	18	714	48	70	3	4	3
Montana	1	36	2	—	1	—	1
Nebraska	2	71	2	1	—	—	—
Nevada	5	197	12	—	2	1	2
New Hampshire	6	341	13	2	—	—	1
New Jersey	11	1,020	48	80	29	9	2
New Mexico	10	527	68	15	121	4	42
New York	51	6,078	554	1,167	225	158	50
North Carolina	33	1,720	95	187	7	9	7
North Dakota	0	—	—	—	—	—	—
Ohio	27	2,310	183	175	12	20	1
Oklahoma	15	846	46	22	2	4	65
Oregon	12	503	59	1	7	5	3
Pennsylvania	19	1,953	137	143	15	21	4
Rhode Island	2	261	26	43	4	12	—
South Carolina	11	775	28	129	3	4	1
South Dakota	5	305	17	—	—	—	20
Tennessee	16	1,382	79	124	5	13	1
Texas	35	3,225	378	319	418	63	19
Utah	1	219	24	1	6	—	—
Vermont	4	138	10	3	1	—	—
Virginia	16	1,077	51	182	12	18	1
Washington	16	948	111	24	14	35	11
West Virginia	9	550	38	12	—	1	—
Wisconsin	13	874	67	59	5	10	4
Wyoming	4	80	6	1	1	1	22
American Samoa	0	—	—	—	—	—	—
Guam	0	—	—	—	—	—	—
Puerto Rico	7	630	92	1	607	—	—
Virgin Islands	1	10	—	7	—	—	—

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Figures represent only those programs responding to this section of the questionnaire.

Table 44
ADMISSIONS OF MEN AND MINORITY STUDENTS TO DIPLOMA PROGRAMS, BY NLN REGION AND STATE: 1987-88[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL DIPLOMA ADMISSIONS[2]	NUMBER OF ADMISSIONS				
			Males	Blacks	Hispanic	Asian	American Indian
United States	**163**	**8,147**	**557**	**765**	**169**	**132**	**24**
North Atlantic	79	3,563	244	239	48	63	4
Midwest	52	2,399	166	149	25	25	14
South	31	2,019	147	358	66	18	5
West	1	166	—	19	30	26	1
Alabama	2	33	3	4	—	—	—
Alaska	0	—	—	—	—	—	—
Arizona	0	—	—	—	—	—	—
Arkansas	2	312	36	85	2	3	2
California	1	166	—	19	30	26	1
Colorado	0	—	—	—	—	—	—
Connecticut	5	227	10	15	6	2	—
Delaware	1	17	—	1	—	—	—
District of Columbia	0	—	—	—	—	—	—
Florida	1	79	4	9	31	—	—
Georgia	1	94	—	5	2	—	—
Hawaii	0	—	—	—	—	—	—
Idaho	0	—	—	—	—	—	—
Illinois	11	260	15	21	6	12	—
Indiana	3	117	3	—	1	—	—
Iowa	5	167	7	1	1	—	—
Kansas	2	29	2	—	1	—	—
Kentucky	0	—	—	—	—	—	—
Louisiana	3	235	23	40	1	1	—
Maine	0	—	—	—	—	—	—
Maryland	3	134	3	46	1	—	—
Massachusetts	8	328	14	16	1	3	—
Michigan	3	154	10	26	—	1	—
Minnesota	0	—	—	—	—	—	—
Mississippi	0	—	—	—	—	—	—
Missouri	8	501	36	41	6	3	3
Montana	0	—	—	—	—	—	—
Nebraska	1	54	1	—	—	—	—
Nevada	0	—	—	—	—	—	—
New Hampshire	1	0	—	—	—	—	—
New Jersey	17	869	37	80	25	39	—
New Mexico	0	—	—	—	—	—	—
New York	10	400	24	31	13	11	3
North Carolina	4	178	8	9	—	—	1
North Dakota	0	—	—	—	—	—	—
Ohio	17	982	73	52	9	4	4
Oklahoma	0	—	—	—	—	—	—
Oregon	0	—	—	—	—	—	—
Pennsylvania	35	1,685	153	90	3	8	1
Rhode Island	2	37	6	6	—	—	—
South Carolina	0	—	—	—	—	—	—
South Dakota	1	56	11	2	—	4	7
Tennessee	4	416	34	93	—	1	—
Texas	2	139	17	7	26	4	—
Utah	0	—	—	—	—	—	—
Vermont	0	—	—	—	—	—	—
Virginia	8	319	14	59	3	9	2
Washington	0	—	—	—	—	—	—
West Virginia	1	80	5	1	—	—	—
Wisconsin	1	79	8	6	1	1	—
Wyoming	0	—	—	—	—	—	—
American Samoa	0	—	—	—	—	—	—
Guam	0	—	—	—	—	—	—
Puerto Rico	0	—	—	—	—	—	—
Virgin Islands	0	—	—	—	—	—	—

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Figures represent only those programs responding to this section of the questionnaire.

Table 45

TRENDS IN ADMISSIONS OF MEN AND MINORITY STUDENTS IN BASIC RN PROGRAMS, 1978 TO 1988[1]

YEAR	NUMBER OF PROGRAMS REPORTING	MEN		BLACKS		HISPANIC		ASIAN		AMERICAN INDIAN	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
ALL REPORTING RN PROGRAMS											
1978	1,202	6,350	6.3	7,295	7.3	1,664	1.7	1,352	1.3	*	*
1981	1,276	6,498	7.3	8,531	9.5	2,312	3.0	1,732	2.2	*	*
1984	1,348	7,971	7.0	9,226	8.1	2,877	2.5	1,911	1.7	633	0.6
1985	1,260	6,344	6.3	8,096	8.0	2,495	2.5	1,558	1.5	713	0.7
1986	1,228	5,715	6.6	8,070	9.3	2,396	2.8	1,678	1.9	533	0.6
1987	1,192	5,302	7.2	7,974	10.9	2,156	2.9	1,476	2.0	503	0.7
1988	1,257	5,958	7.3	8,767	10.6	2,606	3.2	1,817	2.2	583	0.7
BACCALAUREATE PROGRAMS											
1978	320	2,193	6.2	2,900	8.2	450	1.3	491	1.4	*	*
1981	333	1,959	7.3	2,797	10.2	480	3.0	780	3.1	*	*
1984	404	2,384	6.4	3,521	9.4	893	2.4	914	2.4	156	0.4
1985	374	1,972	5.9	2,444	7.3	672	2.0	583	1.8	146	0.4
1986	382	1,783	6.0	2,477	8.4	784	2.7	738	2.5	196	0.7
1987	370	1,560	7.1	2,164	9.8	522	2.4	580	2.6	130	0.6
1988	412	1,675	6.7	2,596	10.3	622	2.5	682	2.7	127	0.5
ASSOCIATE DEGREE PROGRAMS											
1978	571	3,130	6.8	3,567	7.7	982	2.1	590	1.3	*	*
1981	654	3,677	7.9	4,663	10.0	1,336	3.3	833	2.1	*	*
1984	695	4,712	8.0	4,784	8.1	1,702	2.9	836	1.4	457	0.8
1985	643	3,540	6.5	4,738	8.8	1,568	2.9	788	1.4	546	1.0
1986	643	3,432	7.1	4,844	10.1	1,434	3.0	788	1.6	331	0.7
1987	630	3,290	7.6	5,086	11.7	1,472	3.4	774	1.8	353	0.8
1988	682	3,726	7.6	5,376	10.9	1,775	3.6	1,003	2.0	432	0.9
DIPLOMA PROGRAMS											
1978	311	1,027	5.3	828	4.3	232	1.2	271	1.4	*	*
1981	289	862	5.6	1,072	6.9	225	1.7	119	0.9	*	*
1984	249	875	5.1	921	5.3	282	1.6	161	0.9	20	0.1
1985	243	832	5.9	914	6.5	255	1.8	197	1.4	21	0.1
1986	203	490	5.3	749	7.9	178	1.9	152	1.6	6	0.1
1987	192	452	5.5	724	9.4	162	2.1	122	1.6	20	0.3
1988	163	557	6.8	785	9.4	169	2.1	132	1.6	24	0.3

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[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

* "American Indian/Oriental" was one category before 1984.

Enrollments of Men and Minority Students (Tables 46–50)

- The number of men enrolled in basic RN programs grew to 10,100 in 1988 representing 6.2 percent of the total enrollments (see Figure 16). Associate degree programs reported the largest proportion of male enrollees (6.8%), followed by diploma programs (6.5%) and baccalaureate programs (5.4%).

- Blacks represent 10.3 percent of the total enrollments in basic RN programs.

- The percentage of Hispanic students enrolled in basic RN programs grew to 2.7 percent of the total. Associate degree programs reported the largest number and proportion of Hispanic enrollees, followed by baccalaureate and diploma programs.

- Asian students comprise 2.2 percent of the total enrollments in basic RN programs. Baccalaureate programs reported the greatest proportion of Asians (2.7%), associate degree and diploma programs followed with 2.0 percent and 1.6 percent respectively.

- American Indians comprise less than 1 percent of the total enrollments.

Table 46

ENROLLMENTS OF MEN AND MINORITY STUDENTS IN ALL BASIC RN PROGRAMS, BY NLN REGION AND STATE: 1988[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL RN ENROLLMENTS	NUMBER OF ENROLLMENTS				
			Males	Blacks	Hispanic	Asian	American Indian
United States	**1,257**	**162,225**	**10,100**	**16,732**	**4,392**	**3,613**	**876**
North Atlantic	295	43,310	3,038	5,548	1,121	831	154
Midwest	363	43,608	2,201	2,645	532	700	174
South	427	54,855	3,520	7,771	1,566	649	263
West	172	20,452	1,341	768	1,173	1,433	285
Alabama	32	3,902	273	961	14	20	7
Alaska	0	—	—	—	—	—	—
Arizona	14	1,708	78	33	91	29	32
Arkansas	20	2,052	182	314	8	22	14
California	69	9,190	548	622	727	885	11
Colorado	11	1,283	64	25	87	17	7
Connecticut	15	1,933	90	117	32	10	—
Delaware	4	389	25	35	3	3	—
District of Columbia	4	686	27	299	6	21	5
Florida	33	4,734	300	752	331	88	11
Georgia	31	3,216	194	493	19	45	7
Hawaii	4	596	46	8	11	328	4
Idaho	7	625	61	—	6	1	6
Illinois	64	7,066	332	977	211	308	10
Indiana	35	5,371	212	362	73	39	
Iowa	20	2,147	96	16	5	13	4
Kansas	30	1,732	114	82	33	27	8
Kentucky	24	3,428	178	115	11	15	—
Louisiana	21	5,482	388	993	41	40	13
Maine	13	886	33	2	1	1	6
Maryland	22	2,494	126	419	33	61	6
Massachusetts	35	4,414	202	249	148	35	4
Michigan	41	5,982	332	471	51	103	28
Minnesota	19	1,827	99	11	26	32	15
Mississippi	20	2,685	191	715	7	9	
Missouri	36	3,381	167	209	36	47	8
Montana	3	668	50	1	4	—	21
Nebraska	10	1,196	64	32	11	14	2
Nevada	7	439	15	9	13	16	8
New Hampshire	9	772	34	2	—	1	—
New Jersey	34	4,849	234	718	163	200	7
New Mexico	11	880	65	13	147	13	54
New York	90	16,418	1,583	3,451	710	429	119
North Carolina	49	4,533	214	533	9	23	26
North Dakota	5	551	48	2	2	3	20
Ohio	60	9,229	449	318	50	64	15
Oklahoma	25	2,093	130	78	23	34	137
Oregon	16	1,426	128	7	15	50	12
Pennsylvania	82	12,047	749	623	50	118	11
Rhode Island	5	683	46	50	7	13	1
South Carolina	15	1,929	69	325	10	21	3
South Dakota	9	1,057	46	9	—	10	37
Tennessee	32	4,570	275	604	17	25	1
Texas	54	8,098	772	856	1,013	183	20
Utah	4	779	46	1	9	8	
Vermont	4	233	15	2	1	—	1
Virginia	33	3,927	163	581	30	78	12
Washington	21	2,498	204	44	56	102	28
West Virginia	16	1,732	96	32	—	5	—
Wisconsin	25	4,089	242	156	34	40	18
Wyoming	5	382	36	5	7	4	3
American Samoa	0	—	—	—	—	—	—
Guam	0	—	—	—	—	—	—
Puerto Rico	17	2,236	203	272	1,734	—	—
Virgin Islands	2	50	2	43	3	—	—

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 47
ENROLLMENTS OF MEN AND MINORITY STUDENTS IN BACCALAUREATE PROGRAMS, BY NLN REGION AND STATE: 1988[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL BACCALAUREATE ENROLLMENTS	NUMBER OF ENROLLMENTS				
			Males	Blacks	Hispanic	Asian	American Indian
United States	**412**	**61,740**	**3,363**	**6,985**	**1,686**	**1,671**	**363**
North Atlantic	91	15,026	898	1,913	509	293	46
Midwest	133	19,237	887	1,414	271	437	78
South	142	19,834	1,162	3,475	556	360	87
West	46	7,643	416	183	350	581	152
Alabama	11	1,891	154	542	9	15	4
Alaska	0	—	—	—	—	—	—
Arizona	3	484	6	8	45	14	14
Arkansas	7	549	38	171	2	6	2
California	17	3,272	149	117	154	373	8
Colorado	5	532	31	17	42	15	4
Connecticut	6	882	34	41	10	4	—
Delaware	0	—	—	—	—	—	—
District of Columbia	3	534	18	157	6	17	5
Florida	11	1,093	49	304	110	31	2
Georgia	12	988	46	229	9	35	6
Hawaii	1	148	18	7	9	60	4
Idaho	2	183	11	—	—	1	—
Illinois	24	2,671	107	589	118	162	5
Indiana	15	3,269	122	277	35	35	
Iowa	9	677	33	6	—	7	1
Kansas	11	836	59	33	15	21	4
Kentucky	7	1,451	79	56	4	11	—
Louisiana	12	3,623	191	635	23	31	8
Maine	5	620	24	2	1	1	6
Maryland	5	623	35	73	12	35	2
Massachusetts	11	1,949	40	48	128	16	2
Michigan	13	2,943	150	275	30	83	18
Minnesota	9	617	41	3	5	7	5
Mississippi	7	958	66	343	2	6	
Missouri	10	910	22	32	15	35	1
Montana	2	606	46	1	3	—	18
Nebraska	7	1,026	59	30	11	13	2
Nevada	2	231	2	7	8	13	7
New Hampshire	2	296	7	—	—	—	—
New Jersey	6	970	18	90	33	33	1
New Mexico	1	181	—	2	42	3	6
New York	29	4,456	526	1,297	301	150	27
North Carolina	12	1,348	55	281	5	8	13
North Dakota	5	551	48	2	2	3	20
Ohio	16	2,865	122	116	20	45	8
Oklahoma	10	768	33	34	16	27	31
Oregon	4	616	56	4	8	42	8
Pennsylvania	28	5,183	231	273	25	69	4
Rhode Island	1	136	—	5	5	3	1
South Carolina	4	621	27	132	4	18	—
South Dakota	3	555	11	1	—	2	4
Tennessee	12	1,610	79	77	8	2	—
Texas	17	2,634	208	368	341	94	8
Utah	3	378	31	—	3	8	
Vermont	0	—	—	—	—	—	—
Virginia	9	1,115	73	219	11	37	6
Washington	5	787	41	18	33	49	9
West Virginia	6	562	29	11	—	4	—
Wisconsin	11	2,317	113	50	20	24	9
Wyoming	1	225	25	2	3	3	1
American Samoa	0	—	—	—	—	—	—
Guam	0	—	—	—	—	—	—
Puerto Rico	10	1,462	109	3	1,231	—	—
Virgin Islands	1	27	—	27	—	—	—

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 46

ENROLLMENTS OF MEN AND MINORITY STUDENTS IN ASSOCIATE DEGREE RN PROGRAMS, BY NLN REGION AND STATE: 1988[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL ASSOC. DEGREE ENROLLMENTS	NUMBER OF ENROLLMENTS				
			Males	Blacks	Hispanic	Asian	American Indian
United States	**682**	**82,059**	**5,539**	**8,099**	**2,375**	**1,653**	**473**
North Atlantic	125	19,818	1,556	2,850	459	362	99
Midwest	178	18,918	977	948	199	194	73
South	254	30,819	2,081	3,716	894	245	168
West	125	12,504	925	585	823	852	133
Alabama	19	1,951	115	414	5	5	3
Alaska	0	—	—	—	—	—	—
Arizona	11	1,224	72	25	46	15	18
Arkansas	11	879	70	56	2	8	10
California	51	5,613	399	505	573	492	31
Colorado	6	751	33	8	45	2	3
Connecticut	4	498	27	44	15	2	—
Delaware	3	343	25	33	3	3	—
District of Columbia	1	152	9	142	—	4	—
Florida	21	3,481	250	427	171	37	9
Georgia	18	2,007	148	247	8	10	1
Hawaii	3	448	28	1	2	268	—
Idaho	5	442	50	—	6	—	6
Illinois	29	3,709	185	353	73	106	4
Indiana	17	1,852	83	83	35	4	2
Iowa	15	1,035	41	8	3	6	3
Kansas	17	844	49	48	18	6	4
Kentucky	17	1,977	99	59	7	4	—
Louisiana	6	1,260	121	250	10	3	4
Maine	8	266	9	—	—	—	—
Maryland	14	1,608	79	302	20	26	4
Massachusetts	16	1,794	127	176	19	14	2
Michigan	25	2,682	159	153	20	19	10
Minnesota	10	1,210	58	8	21	25	10
Mississippi	13	1,727	125	372	5	3	1
Missouri	18	1,387	72	95	5	5	3
Montana	1	60	4	—	1	—	3
Nebraska	2	97	2	2	—	1	—
Nevada	5	208	13	2	5	3	1
New Hampshire	6	467	27	2	—	1	—
New Jersey	11	1,573	89	158	26	40	3
New Mexico	10	679	65	11	105	10	48
New York	51	11,033	1,010	2,077	377	259	88
North Carolina	33	2,809	142	235	4	15	12
North Dakota	0	—	—	—	—	—	—
Ohio	27	4,119	198	105	12	9	4
Oklahoma	15	1,325	97	44	7	7	106
Oregon	12	810	72	3	7	8	4
Pennsylvania	19	2,995	173	178	16	29	5
Rhode Island	2	464	45	38	2	10	—
South Carolina	11	1,308	42	193	6	3	3
South Dakota	5	383	26	—	—	—	24
Tennessee	16	2,244	148	386	8	22	1
Texas	35	5,200	535	477	632	80	12
Utah	1	401	15	1	6	—	—
Vermont	4	233	15	2	1	—	1
Virginia	16	2,038	55	236	9	21	2
Washington	16	1,711	163	26	23	53	17
West Virginia	9	1,005	55	18	—	1	—
Wisconsin	13	1,600	104	93	12	13	9
Wyoming	4	157	11	3	4	1	2
American Samoa	0	—	—	—	—	—	—
Guam	0	—	—	—	—	—	—
Puerto Rico	7	774	94	269	503	—	—
Virgin Islands	1	23	2	16	3	—	—

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 49

ENROLLMENTS OF MEN AND MINORITY STUDENTS IN DIPLOMA PROGRAMS, BY NLN REGION AND STATE: 1988[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL DIPLOMA ENROLLMENTS	NUMBER OF ENROLLMENTS				
			Males	Blacks	Hispanic	Asian	American Indian
United States	**163**	**18,426**	**1,198**	**1,648**	**331**	**289**	**40**
North Atlantic	79	8,466	584	785	153	176	9
Midwest	52	5,453	337	283	62	69	23
South	31	4,292	277	580	116	44	8
West	1	305	—	—	—	—	—
Alabama	2	60	4	5	—	—	—
Alaska	0	—	—	—	—	—	—
Arizona	0	—	—	—	—	—	—
Arkansas	2	624	54	87	4	8	2
California	1	305	—	—	—	—	
Colorado	0	—	—	—	—	—	—
Connecticut	5	553	29	32	7	4	—
Delaware	1	46	—	2	—	—	—
District of Columbia	0	—	—	—	—	—	—
Florida	1	160	10	21	50	—	—
Georgia	1	221	—	17	2	—	—
Hawaii	0	—	—	—	—	—	—
Idaho	0	—	—	—	—	—	—
Illinois	11	706	40	35	20	40	1
Indiana	3	250	7	2	3	—	
Iowa	5	435	22	2	2	—	—
Kansas	2	52	6	1	—	—	—
Kentucky	0	—	—	—	—	—	—
Louisiana	3	579	56	108	8	6	1
Maine	0	—	—	—	—	—	—
Maryland	3	263	12	44	1	—	—
Massachusetts	8	671	35	25	1	5	—
Michigan	3	337	23	43	1	1	—
Minnesota	0	—	—	—	—	—	—
Mississippi	0	—	—	—	—	—	
Missouri	8	1,084	73	82	16	7	4
Montana	0	—	—	—	—	—	—
Nebraska	1	73	3	—	—	—	—
Nevada	0	—	—	—	—	—	—
New Hampshire	1	9	—	—	—	—	—
New Jersey	17	2,306	127	470	104	127	3
New Mexico	0	—	—	—	—	—	—
New York	10	929	47	77	32	20	4
North Carolina	4	376	17	17	—	—	1
North Dakota	0	—	—	—	—	—	—
Ohio	17	2,245	129	97	18	10	8
Oklahoma	0	—	—	—	—	—	—
Oregon	0	—	—	—	—	—	—
Pennsylvania	35	3,869	345	172	9	20	2
Rhode Island	2	83	1	7	—	—	—
South Carolina	0	—	—	—	—	—	—
South Dakota	1	119	9	8	—	8	9
Tennessee	4	716	48	141	1	1	—
Texas	2	264	29	11	40	9	—
Utah	0	—	—	—	—	—	—
Vermont	0	—	—	—	—	—	—
Virginia	8	774	35	126	10	20	4
Washington	0	—	—	—	—	—	—
West Virginia	1	165	12	3	—	—	—
Wisconsin	1	152	25	13	2	3	—
Wyoming	0	—	—	—	—	—	—
American Samoa	0	—	—	—	—	—	—
Guam	0	—	—	—	—	—	—
Puerto Rico	0	—	—	—	—	—	—
Virgin Islands	0	—	—	—	—	—	—

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 50

TRENDS IN ENROLLMENTS OF MEN AND MINORITY STUDENTS IN BASIC RN PROGRAMS, 1978 TO 1988[1]

YEAR	NUMBER OF PROGRAMS REPORTING	MEN		BLACKS		HISPANIC		ASIAN		AMERICAN INDIAN	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
ALL REPORTING RN PROGRAMS											
1978	1,202	10,327	4.8	12,630	5.8	3,079	1.4	2,606	1.2	*	*
1981	1,276	11,183	5.7	14,322	7.2	4,080	2.3	3,155	1.8	*	*
1984	1,348	13,652	6.2	15,363	6.9	4,410	2.0	3,594	1.6	880	0.4
1985	1,260	9,623	5.2	14,595	7.9	4,465	2.4	2,737	1.5	1,078	0.6
1986	1,228	8,259	4.4	11,999	6.4	3,477	1.8	2,705	1.4	895	0.4
1988	1,257	10,100	6.2	16,732	10.3	4,392	2.7	3,613	2.2	876	0.5
BACCALAUREATE PROGRAMS											
1978	320	4,249	4.5	6,318	6.8	1,292	1.4	1,272	1.4	*	*
1981	333	4,265	5.5	6,001	7.7	1,706	2.3	1,682	2.3	*	*
1984	404	5,747	6.2	7,578	8.2	1,927	2.1	2,019	2.2	322	0.4
1985	374	3,787	4.9	6,617	8.5	1,827	2.4	1,409	1.8	363	0.5
1986	382	2,219	2.4	4,167	4.5	1,239	1.3	1,211	1.3	294	0.3
1988	412	3,363	5.4	6,985	11.3	1,686	2.7	1,671	2.7	363	0.6
ASSOCIATE DEGREE PROGRAMS											
1978	571	4,216	5.3	4,903	6.2	1,418	1.8	923	0.7	*	*
1981	654	5,252	6.3	6,514	7.8	1,950	2.7	1,244	1.8	*	*
1984	685	6,052	6.5	6,124	6.5	2,011	2.1	1,030	1.1	517	0.6
1985	643	4,254	5.5	6,392	8.2	2,213	2.8	1,033	1.3	671	0.9
1986	643	4,992	6.7	6,371	8.5	1,857	2.5	1,205	1.6	385	0.5
1988	682	5,539	6.8	8,099	9.9	2,375	2.9	1,653	2.0	473	0.6
DIPLOMA PROGRAMS											
1978	311	1,862	4.2	1,409	3.2	369	0.8	413	0.9	*	*
1981	289	1,666	4.5	1,717	4.5	422	1.3	229	0.7	*	*
1984	249	1,853	5.2	1,661	4.7	455	1.3	321	0.9	41	0.1
1985	243	1,562	5.5	1,586	5.5	425	1.5	295	1.0	44	0.1
1986	203	1,048	4.9	1,461	6.8	381	1.8	289	1.3	26	0.1
1988	163	1,198	6.5	1,648	8.9	331	1.8	289	1.6	40	0.2

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.
* "American Indian/Oriental" was one category before 1984.

Graduations of Men and Minority Students (Tables 51–55)

- The patterns in graduations of men and minorities from RN preparation programs are similar to those uncovered in admission and enrollment statistics (see Figure 16). Associate degree programs report the largest proportions of men, black, Hispanic and American Indian graduates. Basic baccalaureate programs report the highest percent of Asian graduates.

- The Western region reports the largest proportion of male, Hispanic, Asian, and American Indian graduates. The South reported the greatest percentage of blacks.

Table 51

GRADUATIONS OF MEN AND MINORITY STUDENTS FROM ALL BASIC RN PROGRAMS, BY NLN REGION AND STATE: 1987-88[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL RN GRADUATIONS[2]	NUMBER OF GRADUATIONS				
			Males	Blacks	Hispanic	Asian	American Indian
United States	**1,237**	**56,875**	**3,264**	**4,721**	**1,638**	**929**	**287**
North Atlantic	293	14,543	721	1,397	342	186	36
Midwest	351	15,633	780	701	178	167	66
South	422	18,206	1,107	2,332	583	197	91
West	171	8,493	656	291	535	379	94
Alabama	32	1,392	87	235	5	7	2
Alaska	0	—	—	—	—	—	—
Arizona	14	737	53	18	25	6	15
Arkansas	20	654	44	62	5	4	5
California	69	3,908	323	235	361	277	26
Colorado	11	552	22	13	47	4	2
Connecticut	15	620	26	33	12	—	1
Delaware	4	141	6	14	—	—	—
District of Columbia	4	229	8	93	4	4	—
Florida	33	2,209	126	291	167	28	6
Georgia	31	1,141	63	166	4	19	1
Hawaii	4	128	1	1	1	44	—
Idaho	6	228	11	1	2	1	2
Illinois	61	2,605	125	199	73	80	15
Indiana	31	1,575	53	60	12	11	2
Iowa	29	867	43	8	2	3	2
Kansas	29	781	42	20	13	4	1
Kentucky	23	1,060	56	34	3	5	—
Louisiana	21	999	58	283	21	6	—
Maine	12	262	14	—	—	—	—
Maryland	22	1,000	72	167	12	17	2
Massachusetts	34	1,621	65	46	12	8	1
Michigan	40	2,321	110	110	28	16	11
Minnesota	19	849	50	4	7	8	5
Mississippi	20	841	60	184	3	—	—
Missouri	35	1,320	64	64	6	9	1
Montana	3	163	15	—	—	—	9
Nebraska	9	288	21	5	2	7	—
Nevada	7	182	11	2	3	4	2
New Hampshire	9	303	10	1	—	—	—
New Jersey	34	1,495	74	131	39	40	4
New Mexico	11	336	22	5	70	1	20
New York	90	5,447	310	853	256	104	27
North Carolina	49	1,526	72	178	8	8	11
North Dakota	4	179	11	—	—	—	6
Ohio	60	3,140	189	186	29	20	6
Oklahoma	25	726	44	25	16	17	52
Oregon	16	676	56	4	5	19	3
Pennsylvania	82	4,081	186	187	17	24	3
Rhode Island	5	270	18	38	2	6	—
South Carolina	15	663	31	133	4	4	—
South Dakota	9	378	8	1	—	2	13
Tennessee	31	1,400	88	151	17	18	1
Texas	53	2,638	212	246	308	37	4
Utah	4	454	35	2	4	6	2
Vermont	4	74	4	1	—	—	—
Virginia	32	1,375	64	167	10	26	7
Washington	21	1,034	96	10	16	17	13
West Virginia	15	582	30	10	—	1	—
Wisconsin	25	1,330	64	44	6	7	5
Wyoming	5	95	7	—	1	—	—
American Samoa	0	—	—	—	—	—	—
Guam	0	—	—	—	—	—	—
Puerto Rico	17	[illegible]	47	2	579	70	—
Virgin Islands	2	17	—	13	1	—	—

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Figures represent only those programs responding to this section of the questionnaire.

Table 52
GRADUATIONS OF MEN AND MINORITY STUDENTS FROM BACCALAUREATE PROGRAMS, BY NLN REGION AND STATE: 1987-88[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL BACCALAUREATE GRADUATIONS[2]	NUMBER OF GRADUATIONS				
			Males	Blacks	Hispanic	Asian	American Indian
United States	**393**	**18,963**	**983**	**1,524**	**527**	**369**	**101**
North Atlantic	90	4,872	177	395	167	63	14
Midwest	121	5,799	308	198	74	76	27
South	137	5,773	363	875	190	86	34
West	45	2,519	135	56	96	144	26
Alabama	11	568	27	97	2	2	—
Alaska	0	—	—	—	—	—	—
Arizona	3	217	14	5	7	2	1
Arkansas	7	200	15	16	2	2	1
California	17	1,023	32	42	54	86	10
Colorado	5	210	12	3	10	1	2
Connecticut	6	260	7	13	6	—	—
Delaware	0	—	—	—	—	—	—
District of Columbia	3	174	4	41	3	4	—
Florida	11	390	19	56	60	9	
Georgia	12	415	29	71	3	16	1
Hawaii	1	36	1	1	1	21	—
Idaho	1	26	—	—	—	—	—
Illinois	21	905	62	83	34	34	9
Indiana	11	774	25	34	4	8	—
Iowa	9	294	15	5	—	2	—
Kansas	10	291	24	8	5	3	—
Kentucky	6	335	23	12	1	3	—
Louisiana	12	490	29	203	17	4	—
Maine	4	160	10	—	—	—	
Maryland	5	319	19	35	6	11	—
Massachusetts	11	602	18	12	7	4	1
Michigan	12	803	41	27	9	7	2
Minnesota	9	257	17	1	2	3	2
Mississippi	7	309	27	85	1	—	—
Missouri	9	349	10	7	3	2	1
Montana	2	144	15	—	—	—	8
Nebraska	6	185	18	3	2	6	—
Nevada	2	36	—	—	—	3	—
New Hampshire	2	95	-	—	—	—	—
New Jersey	6	382	22	9	6	6	3
New Mexico	1	71	—	—	13	—	2
New York	29	1,507	64	251	139	34	8
North Carolina	12	508	30	78	4	2	6
North Dakota	4	179	11	—	—	—	5
Ohio	16	910	49	20	11	5	8
Oklahoma	10	245	11	10	8	9	19
Oregon	4	248	14	4	2	14	—
Pennsylvania	28	1,633	52	69	6	14	2
Rhode Island	1	59	—	—	—	1	—
South Carolina	4	218	14	51	2	2	—
South Dakota	3	152	1	—	—	—	2
Tennessee	11	415	21	31	2	4	—
Texas	16	847	75	74	79	10	1
Utah	3	162	19	—	—	6	
Vermont	0	—	—	—	—	—	—
Virginia	8	392	18	55	3	11	6
Washington	5	324	27	1	8	11	2
West Virginia	5	122	6	1	—	1	—
Wisconsin	11	700	35	10	4	6	—
Wyoming	1	23	1	—	1	—	—
American Samoa	0	—	—	—	—	—	—
Guam	0	—	—	—	—	—	—
Puerto Rico	10	350	13	2	334	—	—
Virgin Islands	1	9	—	6	—	—	—

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Figures represent only those programs responding to this section of the questionnaire.

Table 53

GRADUATIONS OF MEN AND MINORITY STUDENTS FROM ASSOCIATE DEGREE PROGRAMS, BY NLN REGION AND STATE: 1987-88[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL ASSOC. DEGREE GRADUATIONS[2]	NUMBER OF GRADUATIONS				
			Males	Blacks	Hispanic	Asian	American Indian
United States	**681**	**32,170**	**1,896**	**2,812**	**1,006**	**487**	**180**
North Atlantic	124	7,097	418	848	144	91	21
Midwest	178	7,963	371	436	84	67	37
South	254	11,303	692	1,308	356	95	54
West	125	5,807	415	218	422	234	68
Alabama	19	804	59	136	3	5	2
Alaska	0	—	—	—	—	—	—
Arizona	11	520	39	13	18	4	14
Arkansas	11	364	24	33	2	2	3
California	51	2,718	185	176	290	190	16
Colorado	6	342	10	10	37	3	—
Connecticut	4	195	13	17	3	—	—
Delaware	3	133	6	14	—	—	—
District of Columbia	1	55	4	52	1	—	—
Florida	21	1,768	106	226	99	16	6
Georgia	18	650	34	91	1	3	—
Hawaii	3	92	—	—	—	23	—
Idaho	5	202	11	1	2	1	2
Illinois	29	1,422	48	105	28	35	4
Indiana	17	665	27	23	8	3	2
Iowa	15	459	23	3	2	1	2
Kansas	17	457	16	12	8	1	1
Kentucky	17	725	33	22	2	2	—
Louisiana	6	328	21	38	1	—	—
Maine	8	102	4	—	—	—	—
Maryland	14	609	48	112	6	6	2
Massachusetts	15	791	37	28	5	3	—
Michigan	25	1,360	59	71	18	8	9
Minnesota	10	592	33	3	5	5	3
Mississippi	13	532	33	99	2	—	—
Missouri	18	592	27	42	1	3	—
Montana	1	19	—	—	—	—	1
Nebraska	2	41	—	1	—	—	—
Nevada	5	147	11	2	3	1	2
New Hampshire	6	179	9	1	—	—	—
New Jersey	11	611	29	40	13	11	1
New Mexico	10	265	22	5	57	1	18
New York	51	3,634	228	583	113	65	19
North Carolina	33	930	42	96	4	6	4
North Dakota	0	—	—	—	—	—	—
Ohio	27	1,580	107	146	12	9	—
Oklahoma	15	481	33	15	8	8	33
Oregon	12	428	44	—	3	5	3
Pennsylvania	19	1,154	66	74	7	7	1
Rhode Island	2	169	18	38	2	5	—
South Carolina	11	445	17	82	2	2	—
South Dakota	5	209	6	1	—	1	11
Tennessee	16	776	59	80	15	11	1
Texas	35	1,683	129	168	204	26	3
Utah	1	292	16	2	4	—	1
Vermont	4	74	4	1	—	—	—
Virginia	16	799	37	102	7	8	—
Washington	16	710	71	9	8	6	11
West Virginia	9	409	17	8	—	—	—
Wisconsin	13	586	25	31	2	1	5
Wyoming	4	72	6	—	—	—	—
American Samoa	0	—	—	—	—	—	—
Guam	0	—	—	—	—	—	—
Puerto Rico	7	314	34	—	245	70	—
Virgin Islands	1	8	—	7	1	—	—

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Figures represent only those programs responding to this section of the questionnaire.

Table 54

GRADUATIONS OF MEN AND MINORITY STUDENTS FROM DIPOMA PROGRAMS, BY NLN REGION AND STATE: 1987-88[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL DIPLOMA GRADUATIONS[2]	NUMBER OF GRADUATIONS					
			Males	Blacks	Hispanic	Asian	American Indian
United States	**163**	**5,742**	**385**	**385**	**105**	**73**	**6**
North Atlantic	79	2,5/4	126	154	31	32	1
Midwest	52	1,871	101	65	20	24	2
South	31	1,130	52	149	37	16	3
West	1	167	106	17	17	1	—
Alabama	2	20	1	2	—	—	—
Alaska	0	—	—	—	—	—	—
Arizona	0	—	—	—	—	—	—
Arkansas	2	90	5	13	1	—	1
California	1	167	106	17	17	1	
Colorado	0	—	—	—	—	—	—
Connecticut	5	165	6	3	3	—	1
Delaware	1	8	—	—	—	—	—
District of Columbia	0	—	—	—	—	—	—
Florida	1	51	1	9	8	3	—
Georgia	1	76	—	4	—	—	—
Hawaii	0	—	—	—	—	—	—
Idaho	0	—	—	—	—	—	—
Illinois	11	278	15	11	11	11	2
Indiana	3	136	1	3	—	—	
Iowa	5	114	5	—	—	—	—
Kansas	2	33	2	—	—	—	—
Kentucky	0	—	—	—	—	—	—
Louisiana	3	181	8	42	3	2	—
Maine	0	—	—	—	—	—	—
Maryland	3	72	5	20	—	—	—
Massachusetts	8	228	10	6	—	1	—
Michigan	3	158	10	12	1	1	—
Minnesota	0	—	—	—	—	—	—
Mississippi	0	—	—	—	—	—	
Missouri	8	379	27	15	2	4	—
Montana	0	—	—	—	—	—	—
Nebraska	1	62	3	1	—	1	—
Nevada	0	—	—	—	—	—	—
New Hampshire	1	29	1	—	—	—	—
New Jersey	17	502	23	82	20	23	—
New Mexico	0	—	—	—	—	—	—
New York	10	306	18	19	4	5	—
North Carolina	4	88	—	4	—	—	1
North Dakota	0	—	—	—	—	—	—
Ohio	17	650	33	20	6	6	—
Oklahoma	0	—	—	—	—	—	—
Oregon	0	—	—	—	—	—	—
Pennsylvania	35	1,294	68	44	4	3	—
Rhode Island	2	42	—	—	—	—	—
South Carolina	0	—	—	†	—	—	—
South Dakota	1	17	1	—	—	1	—
Tennessee	4	209	8	40	—	3	—
Texas	2	108	8	4	25	1	—
Utah	0	—	—	—	—	—	—
Vermont	0	—	—	—	—	—	—
Virginia	8	184	9	10	—	7	1
Washington	0	—	—	—	—	—	—
West Virginia	1	51	7	1	—	—	—
Wisconsin	1	44	4	3	—	—	—
Wyoming	0	—	—	—	—	—	—
American Samoa	0	—	—	—	—	—	—
Guam	0	—	—	—	—	—	—
Puerto Rico	0	—	—	—	—	—	—
Virgin Islands	0	—	—	—	—	—	—

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Figures represent only those programs responding to this section of the questionnaire.

Table 55

TRENDS IN GRADUATIONS OF MEN AND MINORITY STUDENTS IN BASIC RN PROGRAMS, 1978 TO 1988[1]

YEAR	NUMBER OF PROGRAMS REPORTING	MEN		BLACKS		HISPANIC		ASIAN		AMERICAN INDIAN	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
ALL REPORTING RN PROGRAMS											
1978	1,202	3,862	5.5	3,277	4.7	1,088	1.6	855	1.2	*	*
1981	1,276	3,492	5.8	3,566	6.0	1,158	2.2	869	1.7	*	*
1984	1,348	4,286	5.8	3,822	5.2	1,511	2.0	1,086	1.5	325	0.4
1985	1,260	3,908	5.7	3,491	5.1	1,628	2.4	829	1.2	534	0.8
1986	1,228	3,916	5.5	4,233	6.0	1,854	2.6	899	1.3	433	0.6
1988	1,237	3,264	5.7	4,721	8.3	1,638	2.9	929	1.6	287	0.5
BACCALAUREATE PROGRAMS											
1978	320	1,159	5.0	992	4.3	279	1.2	301	1.3	*	*
1981	333	1,117	5.5	1,079	5.6	372	2.2	373	2.2	*	*
1984	404	1,423	6.2	1,488	6.4	422	1.8	604	2.6	105	0.5
1985	374	1,198	5.6	1,133	5.3	509	2.4	352	1.6	85	0.4
1986	382	1,146	4.3	1,452	5.4	614	2.3	355	1.3	172	0.6
1988	393	983	5.2	1,524	8.0	527	2.8	369	1.9	101	0.5
ASSOCIATE DEGREE PROGRAMS											
1978	571	2,048	6.4	1,965	6.2	697	2.2	410	1.3	*	*
1981	654	1,884	6.4	2,121	7.2	648	2.6	429	1.7	*	*
1984	695	2,325	5.7	1,954	4.9	926	2.3	394	1.0	216	0.5
1985	643	2,201	6.1	1,975	5.5	952	2.6	396	1.1	411	1.1
1986	643	2,326	6.8	2,364	6.9	1,071	3.1	462	1.4	254	0.7
1988	681	1,896	5.9	2,812	8.7	1,006	3.1	487	1.5	180	0.6
DIPLOMA PROGRAMS											
1978	311	655	4.4	320	2.2	112	0.8	413	2.8	*	*
1981	289	491	4.4	366	3.5	138	1.5	67	0.7	*	*
1984	249	538	4.8	380	3.4	163	1.4	88	0.8	4	0.0
1985	243	509	4.5	383	3.4	167	1.5	81	0.7	38	0.3
1986	203	444	4.4	417	4.2	169	1.7	82	0.8	7	0.1
1988	163	385	6.7	385	6.7	105	1.8	73	1.2	6	0.1

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

* "American Indian/Oriental" was one category before 1984.

Higher Degree Nursing Education

MASTER'S PROGRAMS IN NURSING

Master's Programs in Nursing (Table 56)

- The number of master's programs in nursing totaled 197 in 1988—an increase of 3 programs (1.5%) since 1987. The number of master's programs increased 18.7 percent since 1984 and grew 57.6 percent in the last decade (see Figure 18).
- The South reported the largest proportion of master's programs—29 percent of the total. The North Atlantic reported 27 percent of the master's programs; the Midwest, 26 percent; and the West, 18 percent. These proportions have remained stable over the past few years.

Figure 18

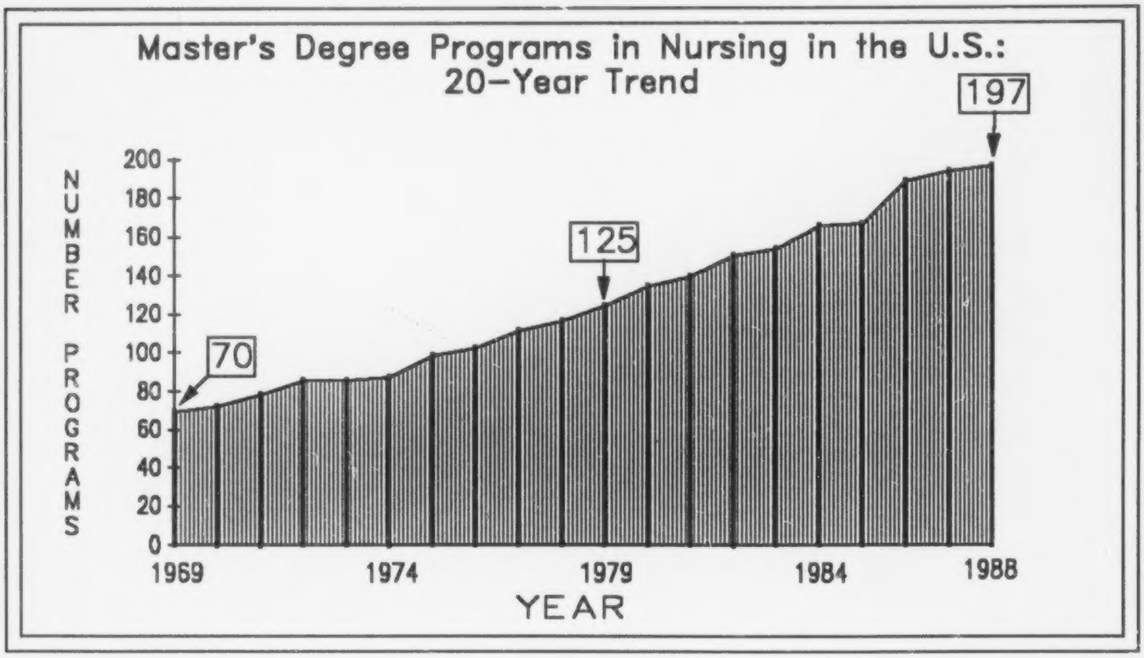

Table 56

MASTER'S PROGRAMS IN NURSING, BY NLN REGION AND STATE: 1979 TO 1988[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS									
	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
United States	**125**	**135**	**140**	**151**	**154**	**166**	**167**	**189**	**194**	**197**
North Atlantic	29	32	34	37	37	42	42	48	52	53
Midwest	32	34	37	40	40	44	44	52	51	51
South	44	46	46	50	51	54	54	56	56	57
West	20	23	23	24	26	26	27	33	35	36
Alabama	1	2	2	3	3	4	4	4	4	4
Alaska	—	—	1	1	1	1	1	1	1	1
Arizona	2	2	2	2	2	2	2	2	2	2
Arkansas	2	2	2	2	2	2	2	2	2	2
California	8	8	8	9	9	11	11	16	17	17
Colorado	1	2	2	2	2	1	1	2	2	3
Connecticut	2	2	2	2	2	3	3	5	5	5
Delaware	1	1	1	1	1	1	1	1	1	1
District of Columbia	1	3	3	3	3	3	3	3	3	3
Florida	2	3	3	3	3	4	4	5	5	5
Georgia	3	3	3	3	3	4	4	4	4	4
Hawaii	1	1	1	1	1	1	1	1	1	1
Idaho	1	1	1	1	1	1	1	1	1	1
Illinois	7	7	7	7	7	8	8	10	10	10
Indiana	3	3	3	4	4	4	4	6	6	6
Iowa	1	1	1	1	1	1	1	2	2	2
Kansas	2	2	2	2	2	2	2	2	2	2
Kentucky	1	1	1	2	2	3	3	4	4	4
Louisiana	3	3	3	3	3	2	2	2	2	2
Maine	—	—	—	1	1	1	1	1	1	1
Maryland	1	1	1	2	2	2	2	2	2	3
Massachusetts	5	4	4	6	6	6	6	6	7	6
Michigan	3	3	4	5	5	6	6	9	8	8
Minnesota	2	2	2	2	2	3	3	3	3	3
Mississippi	3	3	3	3	3	3	3	3	3	3
Missouri	3	3	3	3	3	3	3	3	3	3
Montana	1	1	1	1	1	1	1	1	1	1
Nebraska	1	1	2	2	2	2	2	2	2	2
Nevada	1	1	1	1	1	1	1	2	2	2
New Hampshire	—	—	—	—	—	—	—	1	1	1
New Jersey	2	2	2	2	2	2	2	2	2	2
New Mexico	—	1	1	1	1	1	1	1	1	1
New York	13	13	13	13	14	15	16	17	18	19
North Carolina	5	5	5	6	6	6	6	6	6	6
North Dakota	—	—	—	1	1	2	2	2	2	2
Ohio	6	7	7	7	7	7	7	7	7	7
Oklahoma	2	2	2	2	2	2	2	2	2	2
Oregon	2	2	2	2	2	2	2	2	2	2
Pennsylvania	5	6	7	7	7	9	9	11	13	14
Rhode Island	1	1	1	1	1	1	1	1	1	1
South Carolina	3	3	3	3	3	3	3	3	3	3
South Dakota	—	1	1	1	1	1	1	1	1	1
Tennessee	3	3	3	3	3	3	3	3	3	3
Texas	9	9	9	9	9	9	9	9	9	9
Utah	2	2	2	2	2	2	2	2	2	2
Vermont	—	—	—	—	—	—	—	—	—	—
Virginia	4	5	5	5	6	6	6	6	6	6
Washington	1	1	1	1	2	2	2	2	2	2
West Virginia	1	1	1	1	1	1	1	1	1	1
Wisconsin	4	4	5	5	5	5	5	5	5	5
Wyoming	—	1		1	1	1	1	1	1	1
American Samoa	—	—	—	—	—	—	—	—	—	—
Guam	—	—	—	—	—	—	—	—	—	—
Puerto Rico	2	2	2	2	2	2	2	1	2	2
Virgin Islands	—	—	—	—	—	—	—	—	—	—

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Enrollments of Nurses in Master's Programs (Table 57–59)

- Enrollments in master's nursing programs continue to rise and now stand at 22,908. This 8.1 percent increase over the previous year reflects the highest rate of growth in master's programs enrollments since 1977 (see Figure 19).
- In the last five years, enrollments in master's programs increased from 18,822 to 22,908—an 18 percent increase. In view of the increased demand for clinical specialists, administrators, and researchers, these increases are encouraging.
- The percentage of master's programs accredited by NLN stood at 91.4 percent in 1988 (see Table 57).
- The proportion of full-time enrollments in master's programs leveled off this year after two decades of steady decline. Part-time enrollment now represents almost 75 percent of the total. The shift from full-time to part-time enrollment has been unfolding for the past 2 decades (see Figure 20).
- The North Atlantic reported a 16.4 percent increase in the number of master's enrollments, and the West registered an increase of 14.3 percent while the Midwest reported a small increase (3.9%) in enrollments. The Southern region on the other hand, registered a small loss of 0.3 percent (see Table 58).
- A regional breakdown of enrollments in master's programs indicated that the North Atlantic represents 32 percent of the total, the South has 26 percent, the Midwest has 25 percent, and the West has 16 percent of the master's enrollments (see Table 59).

Figure 19

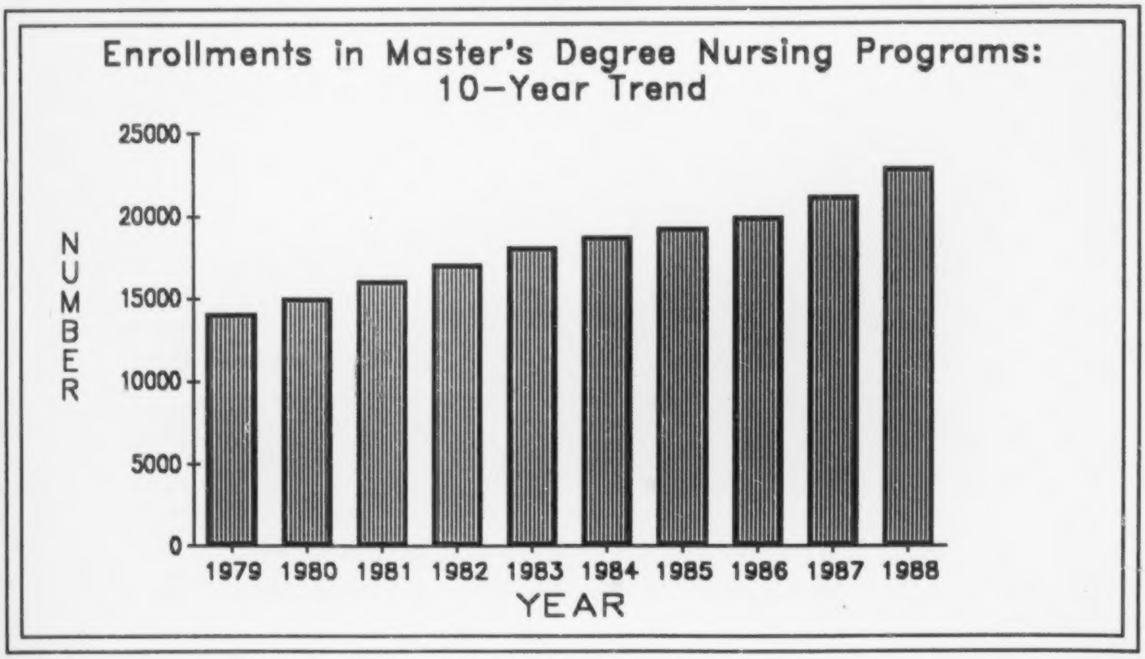

Figure 20

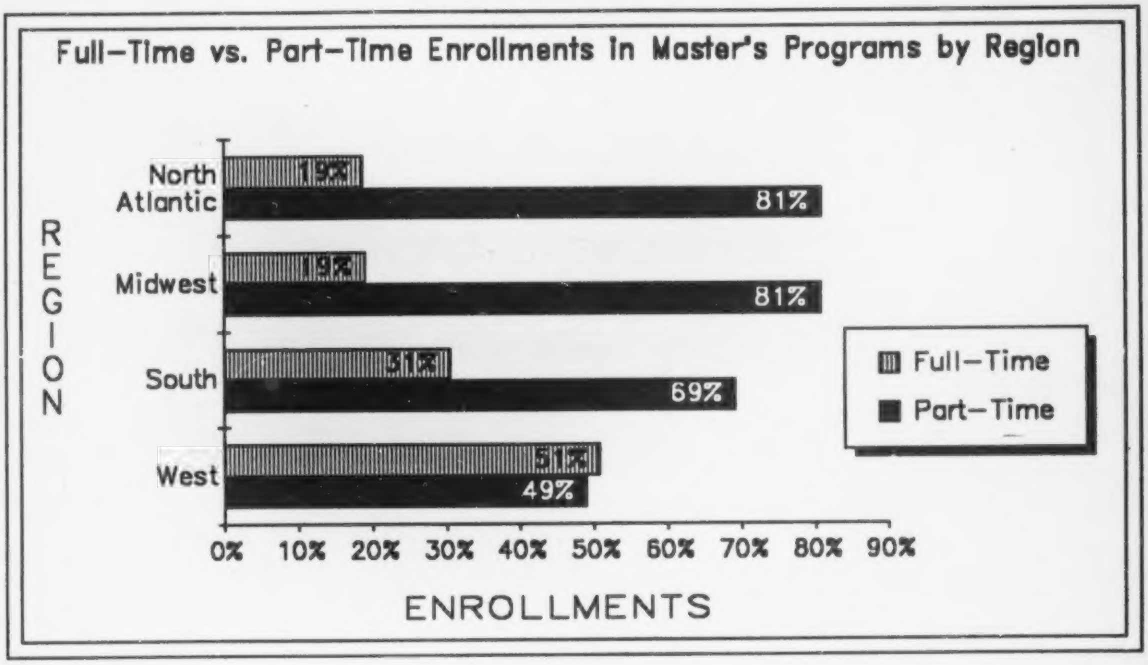

Table 57

ENROLLMENTS OF NURSES IN MASTER'S PROGRAMS AND PERCENTAGE IN NLN-ACCREDITED PROGRAMS: 1969 TO 1988[1]

ACADEMIC YEAR	PROGRAMS		ENROLLMENTS					
			Total		Full-Time		Part-Time	
	Number	Percent Accredited	Number	Percent Accredited	Number	Percent Accredited	Number	Percent Accredited
1969	70	71.4	4,443	89.4	3,346	91.8	1,097	81.8
1970	73	72.6	4,765	87.5	3,529	92.9	1,236	72.1
1971	79	72.2	5,405	89.3	3,925	93.0	1,480	79.6
1972	86	67.4	6,342	88.4	4,324	92.6	2,018	79.2
1973	86	74.4	6,786	89.0	4,159	95.0	2,627	79.6
1974	88	69.6	7,924	86.7	4,462	90.7	3,462	81.4
1975	99	69.0	9,662	90.6	5,402	93.4	4,260	87.1
1976	103	67.9	10,809	88.4	5,924	92.5	4,885	83.4
1977	112†	66.4	12,143	85.8	6,112	92.5	6,031	81.0
1978	117	68.1	13,105	87.0	6,561	91.5	6,544	82.5
1979	125	72.4	14,130	87.8	6,891	91.8	7,239	83.9
1980	135	66.4	15,053	86.3	7,306	89.0	7,747	83.7
1981	140	65.5	16,125	85.2	7,000	87.3	9,125	83.6
1982	151	78.1	17,085	91.1	6,389	96.0	10,696	88.2
1983	154	77.5	18,112	87.6	6,478	89.8	11,634	86.3
1984	166	82.7	18,822	95.1	6,587	93.0	12,235	97.3
1985	167	83.1	19,315	93.3	6,057	98.1	13,258	91.2
1986	189	74.6	19,958	87.3	5,664	94.6	14,294	82.3
1987	194	91.6	21,195	90.8	6,113	93.5	15,082	89.4
1988	197	78.2	22,908	91.4	6,253	95.5	16,655	89.8

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

† One school shown in the total number of programs reported no enrollments for 1977.

Table 58

ENROLLMENTS OF NURSES IN MASTER'S PROGRAMS, PERCENTAGE CHANGE FROM PREVIOUS YEAR, AND PERCENTAGE ENROLLED FULL TIME, BY NLN REGION: 1969 TO 1988[1]

YEAR	ALL REGIONS				NORTH ATLANTIC				MIDWESTERN				SOUTHERN				WESTERN			
	Number of Programs	Enrollments			Number of Programs	Enrollments			Number of Programs	Enrollments			Number of Programs	Enrollments			Number of Programs	Enrollments		
		Number	Percent Change	Percent Full Time		Number	Percent Change	Percent Full Time		Number	Percent Change	Percent Full Time		Number	Percent Change	Percent Full Time		Number	Percent Change	Percent Full Time
1969	70	4,443	+10.6	75.3	20	1,957	+7.7	71.0	21	978	+6.0	78.7	15	694	+22.0	77.1	14	816	+14.8	80.0
1970	73	4,765	+7.2	74.1	21	1,850	−5.5	72.1	21	1,020	+4.5	79.4	16	829	+19.5	74.4	15	1,066	+30.6	72.1
1971	79	5,405	+13.4	72.6	23	2,021	+9.2	70.6	23	1,257	+23.2	75.2	18	975	+17.6	71.8	15	1,152	+8.1	74.0
1972	86	6,342	+17.3	68.2	24	2,238	+10.7	70.2	25	1,417	+12.7	71.5	21	1,179	+20.9	66.7	16	1,508	+30.9	63.3
1973	86	6,786	+7.0	61.3	21	2,690	+20.2	57.7	26	1,583	+11.7	62.9	23	1,244	+5.5	56.4	16	1,270	−15.8	71.7
1974	92	7,924	+16.8	56.3	21	2,689	0.0	52.5	28	1,961	+23.9	58.2	24	1,834	+47.4	51.4	19	1,440	+13.4	67.2
1975	100	9,662	+21.9	55.9	24	3,337	+24.1	51.5	28	2,252	+14.8	54.6	29	2,358	+28.6	52.3	19	1,715	+19.1	71.7
1976	106	10,809	+11.9	54.8	26	3,853	+15.5	50.8	28	2,409	+7.0	55.0	33	2,805	+19.0	51.1	19	1,742	+1.6	69.3
1977	114†	12,143	+12.3	50.3	26	3,994	+3.7	50.4	31†	3,001	+24.6	47.2	40	3,281	+17.0	43.6	17	1,867	+7.2	67.3
1978	119	13,105	+7.9	50.1	29	4,344	+8.8	48.9	31	3,129	+4.3	45.1	40	3,454	+5.3	46.0	19	2,178	+16.7	65.8
1979	127	14,130	+7.8	48.6	29	4,068	−6.4	48.5	32	3,796	+21.3	44.6	46	3,942	+14.1	42.5	20	2,324	+6.7	66.7
1980	137	15,053	+6.5	48.5	32	4,472	+9.9	51.1	34	4,146	+9.2	40.6	48	3,964	+0.6	43.6	23	2,471	+6.3	65.0
1981	142	16,125	+7.1	43.4	34	4,848	+8.4	43.8	37	4,254	+2.6	35.9	48	4,390	+10.7	41.3	23	2,633	+6.6	58.4
1982	151	17,085	+6.0	37.4	37	5,344	+10.2	33.2	40	4,467	+5.0	29.0	52	4,561	+5.2	38.2	24	2,713	+3.0	57.7
1983	154	18,112	+6.0	34.6	37	5,830	+9.1	30.0	40	4,680	+4.8	27.2	51	4,807	+7.3	36.0	26	2,593	−4.4	59.1
1984	166	18,822	+3.9	35.0	42	5,861	+0.5	26.9	44	4,780	+2.1	35.5	54	5,403	+12.4	29.7	26	2,778	+7.1	61.6
1985	167	19,315	+2.6	31.4	42	5,837	−0.4	23.4	44	5,327	+11.4	24.6	54	5,330	−1.4	34.0	27	2,821	+1.5	44.2
1986	189	19,958	+3.3	28.4	48	5,883	+0.7	21.9	52	5,400	+1.4	20.1	56	5,590	+4.9	32.4	33	3,085	+9.4	47.9
1987	194	21,195	+6.2	28.7	52	6,380	+8.4	20.7	51	5,505	+1.9	21.5	56	6,004	+7.4	33.7	35	3,306	+7.1	47.5
1988	197	22,906	+8.1	27.3	53	7,425	+16.4	18.7	51	5,720	+3.9	19.1	57	5,986	−0.3	30.7	36	3,777	+14.3	50.9

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

†One school shown in the total number of programs reported no enrollments for 1977.

Table 59

ENROLLMENTS OF REGISTERED NURSES IN MASTER'S PROGRAMS IN NURSING, BY NLN REGION AND STATE: 1979 TO 1988[1]

NLN REGION AND STATE	NUMBER OF ENROLLMENTS IN MASTER'S PROGRAMS									
	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
United States	**14,096**	**14,994**	**15,993**	**17,004**	**18,112**	**18,822**	**19,315**	**19,955**	**21,195**	**22,908**
North Atlantic	4,068	4,472	4,848	5,344	5,830	5,861	5,837	5,883	6,380	7,425
Midwest	3,796	4,146	4,254	4,467	4,680	4,780	5,327	5,400	5,505	5,720
South	3,908	3,905	4,258	4,480	4,807	5,403	5,330	5,590	6,004	5,986
West	2,324	2,471	2,633	2,713	2,583	2,778	2,821	3,0085	3,306	3,777
Alabama	311	295	375	367	296	388	356	380	446	413
Alaska	—	—	12	25	12	14	27	18	18	18
Arizona	251	279	299	278	229	236	229	246	283	306
Arkansas	110	111	128	108	115	115	147	154	159	144
California	1,109	1,161	1,233	1,394	1,323	1,460	1,430	1,640	1,692	1,913
Colorado	175	171	165	192	164	191	207	200	262	431
Connecticut	218	277	276	289	288	290	394	439	472	501
Delaware	47	77	81	109	89	76	97	87	73	82
District of Columbia	321	340	332	355	348	349	373	328	305	268
Florida	130	177	204	275	381	409	474	497	513	576
Georgia	256	270	276	273	330	351	352	404	428	455
Hawaii	51	50	56	63	63	46	49	55	52	60
Idaho	16	19	26	31	32	20	30	49	41	41
Illinois	874	951	920	914	908	834	779	936	1,005	963
Indiana	576	571	564	604	501	474	676	519	703	663
Iowa	86	100	95	96	107	111	173	209	285	294
Kansas	303	322	323	354	328	290	321	287	265	285
Kentucky	78	100	109	112	88	144	142	180	147	189
Louisiana	136	190	230	218	257	267	265	235	220	202
Maine	—	—	—	31	51	64	67	78	50	44
Maryland	369	387	402	422	447	430	388	398	394	437
Massachusetts	529	542	590	525	562	655	662	489	657	558
Michigan	447	512	635	642	663	676	783	957	748	802
Minnesota	268	259	223	250	238	238	214	172	164	167
Mississippi	83	61	73	100	104	104	113	115	128	147
Missouri	255	283	283	289	330	393	399	426	452	457
Montana	26	26	23	18	16	13	11	22	24	20
Nebraska	105	97	125	127	141	119	115	120	77	156
Nevada	12	33	28	33	45	39	18	34	65	55
New Hampshire	—	—	—	—	—	—	—	35	54	41
New Jersey	289	313	280	300	349	362	377	276	345	251
New Mexico	—	32	44	42	47	44	51	35	59	61
New York	2,147	2,189	2,369	2,525	2,804	2,769	2,527	2,803	2,827	4,023
North Carolina	295	228	359	359	315	580	360	412	501	511
North Dakota	—	—	—	17	26	122	90	101	92	104
Ohio	543	558	616	749	888	1,007	1,201	1,064	1,113	1,204
Oklahoma	107	122	130	152	191	189	150	162	163	163
Oregon	180	137	188	158	158	174	161	173	224	227
Pennsylvania	666	674	851	1,123	1,263	1,231	1,267	1,260	1,507	1,535
Rhode Island	51	60	57	62	76	65	73	88	90	122
South Carolina	187	185	183	192	216	220	268	308	368	384
South Dakota	—	49	29	35	66	52	55	76	58	115
Tennessee	201	258	184	216	245	241	325	308	379	340
Texas	1,109	1,078	1,152	1,081	1,220	1,345	1,343	1,356	1,389	1,378
Utah	161	226	248	228	219	185	230	257	238	234
Vermont	—	—	—	—	—	—	—	—	—	—
Virginia	291	409	396	487	505	485	544	582	699	585
Washington	343	333	317	264	265	326	308	304	312	334
West Virginia	45	34	54	118	97	116	103	110	70	53
Wisconsin	348	435	425	417	433	464	521	533	543	520
Wyoming	—	4	6	12	20	30	50	52	56	55
American Samoa	—	—	—	—	—	—	—	—	—	—
Guam	—	—	—	—	—	—	—	—	—	—
Puerto Rico	34	59	132	81	202	151	134	95	155	100
Virgin Islands	—	—	—	—	—	—	—	—	—	—

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands

Full-Time Enrollments in Master's Programs, by Functional Area (Table 60)

- Advanced clinical practice continues to attract the largest proportion of full-time students—72.8 percent of the total. (Note: Students enrolled in nurse practitioner programs are included in this category.) (see Figure 21)

- The percentage of full-time students preparing to teach stands at 10.5 percent of the total in 1988. Full-time enrollments in administration/management slipped to 13.4 percent of the total.

Figure 21

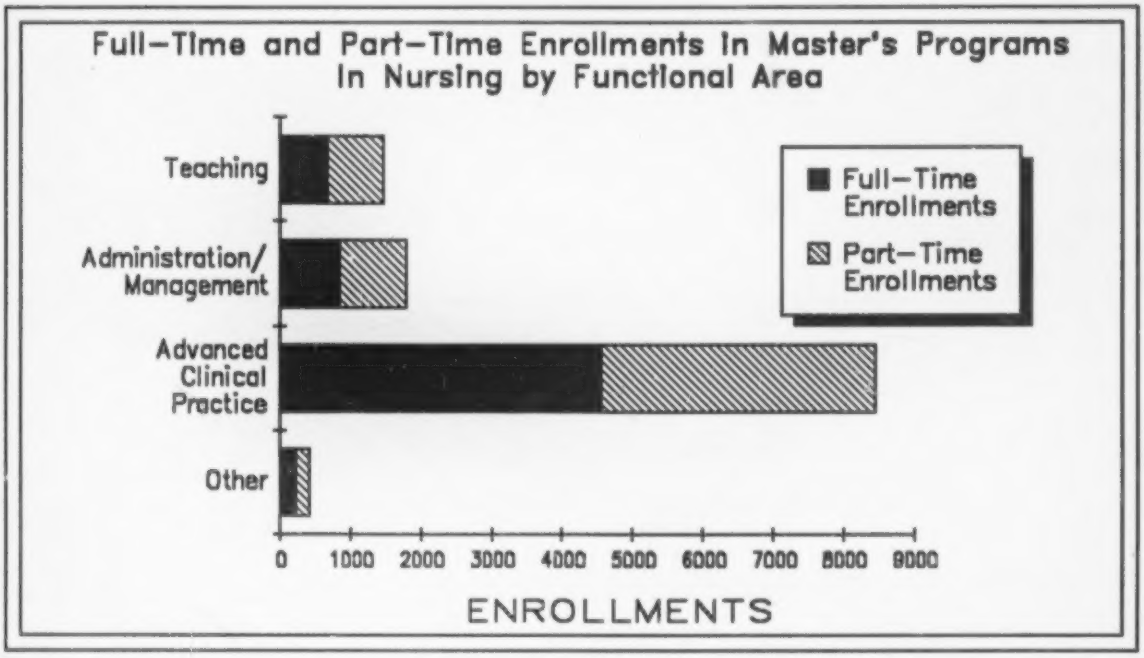

Table 60

FULL-TIME ENROLLMENTS OF NURSES IN MASTER'S PROGRAMS, BY FUNCTIONAL AREA OF STUDY: 1979 TO 1988[1]

YEAR	FULL-TIME ENROLLMENTS BY FUNCTIONAL AREA OF STUDY									
	Total Full Time		Teaching		Administration/ Management		Advanced Clinical Practice		Other	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1979	6,881	100.0	832	12.1	451	6.5	5,200	75.6	405	5.9
1980	7,306	100.0	923	12.6	579	7.9	5,480	75.0	324	4.5
1981	7,000	100.0	732	10.5	596	8.5	5,418	77.4	254	3.6
1982	6,389	100.0	638	9.9	770	12.2	4,863	76.1	118	1.8
1983	6,478	100.0	873	13.5	784	12.1	4,639	71.6	182	2.8
1984	5,706*	100.0*	382	6.7	636	11.1	4,620	81.0	67	1.2
1985	6,057	100.0	485	8.0	806	13.3	4,651	76.8	115	1.9
1986	5,664	100.0	517	9.1	970	17.2	4,097	72.3	80	1.4
1987	6,113	100.0	575	9.4	1,033	16.9	4,475	73.2	30	0.5
1988	6,253	100.0	657	10.5	838	13.4	4,552	72.8	206	3.3

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

* Eight programs did not respond to this section of the questionnaire.

Full-Time Enrollments in Master's Programs, by Nursing Content Area (Tables 60a and 60b)

- Of those who plan to be advanced clinical specialists, medical-surgical nursing attracted the largest percentage of full-time enrollments (30%). While still the largest category, the actual percent pursuing medical-surgical nursing has been decreasing over the past 3 years.

- The area of maternal-child nursing has fallen over the past year and now represents 18.7 percent of full-time enrollments in advanced clinical practice (see Table 60a).

- The percentage of full-time students studying psychiatric and mental health nursing has fallen slightly to just under 11 percent of those enrolled in advanced clinical practice. Community health nursing enrollment now stands at about 10 percent and gerontology at 5 percent (see Table 60a).

- Of the 657 full-time enrollments in teaching, 49.6 percent are specializing in medical-surgical. Maternal-child garnered 16.3 percent; only 3.4 percent are prepared to teach in psychiatric-mental health, and 3.0 in gerontology. Specialization in community health fell dramatically to 6.7 percent of the total (see Table 60b and Figure 22).

Figure 22

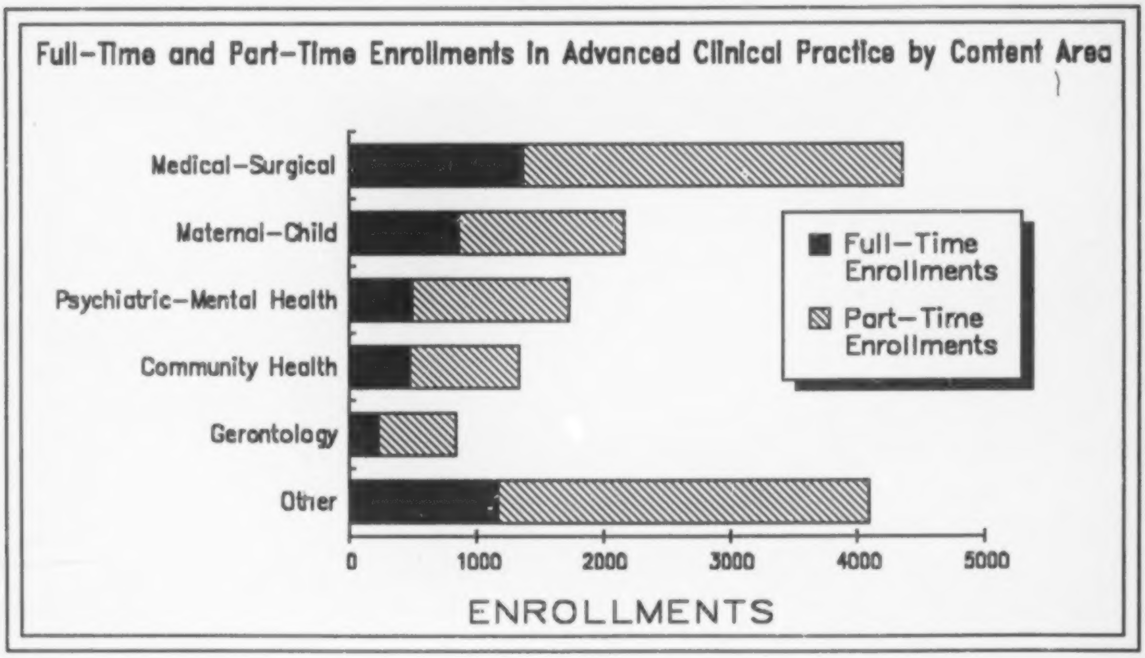
Full-Time and Part-Time Enrollments in Advanced Clinical Practice by Content Area

Table 60a
FULL-TIME ENROLLMENTS IN ADVANCED CLINICAL PRACTICE BY NURSING CONTENT AREA: 1979 TO 1988[1]

YEAR	FULL-TIME ENROLLMENTS BY NURSING CONTENT AREA													
	TOTAL		MEDICAL-SURGICAL		MATERNAL-CHILD		PSYCHIATRIC-MENTAL HEALTH		COMMUNITY HEALTH		GERONTOLOGY†		OTHER (nursing service, public policy) or NOT DESIGNATED	
	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total
1979	5,203	100.0	1,891	36.3	1,279	24.6	941	18.1	796	15.3	–	–	296	5.7
1980	5,480	100.0	2,020	36.9	1,255	22.9	1,049	19.1	845	15.4	–	–	311	5.7
1981	5,418	100.0	1,856	34.3	1,287	23.7	850	15.7	787	14.5	–	–	638	11.8
1982	4,863	100.0	1,672	34.4	1,038	21.3	760	15.6	765	15.7	–	–	628	13.0
1983	4,639	100.0	1,740	37.5	818	17.6	669	14.4	801	17.3			611	13.2
1984[2]	5,451*	100.0*	1,696	31.1	1,458	26.8	677	12.4	408	7.5	–	–	1,212	22.2
1985	4,651	100.0	1,739	37.4	1,260	27.1	567	12.2	744	16.0	–	–	341	7.3
1986	4,097	100.0	1,259	30.8	1,562	38.1	402	9.8	611	14.9	–	–	263	6.4
1987	4,484	100.0	1,393	31.2	928	20.8	500	11.2	634	14.2	231	5.1	781	17.5
1988	4,552	100.0	1,357	29.8	851	18.7	487	10.7	469	10.3	223	4.9	1,165	25.6

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] In 1984, *all* students preparing for a nursing content area were included. Since the overwhelming majority of students are preparing for advanced clinical practice (see Table 64) the 1984 entries still reflect trends in this data.

* Eight programs did not respond to this section of the questionnaire.

† 1987 is the first year that data on gerontology have been collected.

Table 60b
FULL-TIME ENROLLMENTS IN TEACHING BY NURSING CONTENT AREA: 1985-88

YEAR	FULL-TIME ENROLLMENTS BY NURSING CONTENT AREA													
	TOTAL		MEDICAL-SURGICAL		MATERNAL-CHILD		PSYCHIATRIC-MENTAL HEALTH		COMMUNITY HEALTH		GERONTOLOGY†		OTHER (nursing service, public policy) or NOT DESIGNATED	
	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total
1985	485	100.0	236	48.5	101	20.8	46	9.5	53	11.0	–	–	49	10.2
1986	517	100.0	264	51.0	73	14.1	25	4.9	73	14.1	–	–	82	15.9
1987	573	100.0	222	38.8	101	17.6	36	6.3	72	12.5	13	2.3	129	22.5
1988	657	100.0	326	49.6	107	16.3	22	3.4	44	6.7	20	3.0	138	21.0

† 1987 is the first year that data on gerontology have been collected.

Part-Time Enrollments in Master's Programs, by Functional Area of Study (Table 61)

- Advanced clinical practice continues to attract the largest group of part-time master's students—60 percent of the total. The percentage of part-time students preparing for administration has fallen to 18.8 percent, whereas the percentage preparing to teach dropped to 14.6 percent.

- Despite fluctuations the pattern of enrollments in the various functional areas has not shifted dramatically over the past decade for either full- or part-time students (see also Table 60). Advanced clinical practice is attracting the largest group, and administration/management holds a second place, while teaching is the third most popular choice.

Table 61

PART-TIME ENROLLMENTS OF NURSES IN MASTER'S PROGRAMS, BY FUNCTIONAL AREA OF STUDY: 1979 TO 1988[1]

YEAR	PART-TIME ENROLLMENTS BY FUNCTIONAL AREA OF STUDY									
	Total Part-Time		Teaching		Administration/ Management		Advanced Clinical Practice		Other	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1979	7,239	100.0	1,346	18.6	666	9.2	3,996	55.2	1,231	17.0
1980	7,747	100.0	1,270	16.4	806	10.4	4,788	61.8	883	11.4
1981	9,125	100.0	1,506	16.5	1,122	12.3	5,484	60.1	1,013	11.1
1982	10,696	100.0	2,021	18.9	1,583	14.8	6,525	61.0	567	5.3
1983	11,634	100.0	2,367	20.3	2,107	18.1	6,442	55.4	718	6.2
1984	11,725*	100.0*	1,415	12.1	1,775	15.1	7,950	67.8	582	5.0
1985	13,258	100.0	1,286	9.7	2,890	21.8	8,843	66.7	239	1.8
1986	14,294	100.0	3,149	22.0	3,124	21.9	7,976	55.8	41	0.3
1987	15,082	100.0	2,353	15.6	3,454	22.9	9,260	61.4	15	0.1
1988	16,655	100.0	2,432	14.6	3,131	18.8	10,009	60.1	1,083	6.5

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

* Eight programs did not respond to this section of the questionnaire.

Part-Time Enrollments in Master's Programs, by Nursing Content Area (Tables 61a and 61b)

- Medical-surgical attracts the greatest number of part-time enrollments with over 30 percent of those preparing for advanced clinical practice and 40 percent preparing to teach.

- Maternal-child is the second most popular area comprising approximately 14 percent of all part-time master's program enrollments.

- Of those preparing for advanced practice, 8.7 percent are specializing in community health and 12.5 percent in psychiatric-mental health (see Table 61a). Of those preparing to teach, about 5 percent are specializing in psychiatric-mental health and 9 percent in community nursing (see Table 61b).

Table 61a

PART-TIME ENROLLMENTS OF NURSES IN ADVANCED CLINICAL PRACTICE, BY NURSING CONTENT AREA: 1985-88

YEAR	PART-TIME ENROLLMENTS BY NURSING CONTENT AREA													
	Total Part-Time		Medical-Surgical		Maternal-Child		Psychiatric-Mental Health		Community Health		Gerontology†		Other	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1985	8,843	100.0	4,192	47.4	2,106	23.8	982	11.1	1,070	12.1	—	—	493	5.6
1986	7,976	100.0	3,505	44.0	1,639	20.5	1,000	12.5	1,046	13.1	—	—	786	9.9
1987	9,260	100.0	2,935	31.7	1,306	14.1	1,148	12.4	1,028	11.1	639	6.9	2,204	23.8
1988	10,009	100.0	3,013	30.1	1,321	13.2	1,251	12.5	871	8.7	621	6.2	2,932	29.3

† 1987 is the first year that data on gerontology have been collected.

Table 61b

PART-TIME ENROLLMENTS OF NURSES IN TEACHING, BY NURSING CONTENT AREA: 1985-88

YEAR	PART-TIME ENROLLMENTS BY NURSING CONTENT AREA													
	Total Part-Time		Medical-Surgical		Maternal-Child		Psychiatric-Mental Health		Community Health		Gerontology†		Other	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1985	1,286	100.0	625	48.6	249	19.4	92	7.1	86	6.7	—	—	234	18.2
1986	3,149	100.0	1,306	41.5	1,059	33.6	279	8.9	283	9.0	—	—	222	7.0
1987	2,353	100.0	915	38.9	325	13.8	94	4.0	398	16.9	63	2.7	558	23.7
1988	2,432	100.0	983	40.4	350	14.4	126	5.2	224	9.2	68	2.8	681	28.0

† 1987 is the first year that data on gerontology have been collected.

Graduations from Master's Programs (Tables 62 and 63)

- Graduations from master's nursing programs fell slightly this year to 5,933 (1.6 percent over last year's level).
- Although the South reported the largest number of master's programs, the North Atlantic had the largest number of graduates. The North Atlantic reported over 30 percent of total graduates; the South, 28 percent; the Midwest, 24 percent; and the West, 17 percent. Note that all regions reported increases in graduates over last year (see Table 62).
- **TEN-YEAR TREND:** The number of master's graduations increased 29 percent over the past decade. Given the demand for master's prepared nurses, this figure is sobering. Due to the trend toward part-time enrollment, graduation figures are likely to grow in small increments.
- **FIVE-YEAR TREND:** The number of graduations from master's programs increased from 5,082 in 1983–84 to 5,933 in 1987–88—an increase of over 16 percent.

Table 62

GRADUATIONS FROM MASTER'S PROGRAMS AND PERCENTAGE CHANGE FROM PREVIOUS YEAR, BY NLN REGION: 1968-69 TO 1987-88[1]

ACADEMIC YEAR	ALL REGIONS			NORTH ATLANTIC			MIDWESTERN			SOUTHERN			WESTERN		
	Number of Programs	Graduations		Number of Programs	Graduations		Number of Programs	Graduations		Number of Programs	Graduations		Number of Programs	Graduations	
		Number	Percent Change		Number	Percent Change		Number	Percent Change		Number	Percent Change		Number	Percent Change
1968-69	70	1,766	+9.3	20	690	+4.2	21	377	+17.8	15	279	+13.0	14	420	+8.8
1969-70	73	1,988	+12.6	21	857	+24.2	21	424	+12.5	16	311	+11.5	15	396	-5.7
1970-71	79	2,082	+4.7	23	787	-8.2	23	391	-7.8	18	380	+22.2	15	524	+32.3
1971-72	86	2,118	+1.7	24	725	-7.9	25	503	+28.6	21	369	-2.9	16	521	-0.6
1972-73	86	2,430	+14.7	21	818	+12.8	26	483	-4.0	23	552	+50.0	16	577	+10.7
1973-74	92	2,624	+8.0	21	911	+11.4	28	539	+11.6	24	603	+9.2	19	571	-1.0
1974-75	100	2,678	+2.1	24	955	+4.8	28	516	-4.3	29	642	+6.5	19	565	-1.0
1975-76	106	3,417	+27.6	26	1,186	+24.2	28	688	+33.3	33	854	+33.0	19	689	+21.9
1976-77	102	3,800	+11.2	24	1,284	+8.3	28	857	+24.6	33	1,027	+20.6	17	632	-8.3
1977-78	109	4,255	+12.0	26	1,573	+22.5	24	915	+6.8	37	1,145	+11.5	17	622	-1.6
1978-79	118	4,596	+8.0	27	1,630	+3.6	32	986	+7.8	41	1,307	+14.1	18	673	+8.2
1979-80	121	4,755	+3.5	29	1,565	-4.0	32	1,068	+8.3	41	1,333	+2.0	19	789	+17.2
1980-81	127	4,998	+5.1	30	1,472	-5.9	30	1,207	+13.0	46	1,510	+13.3	21	809	+2.5
1981-82	138	5,149	+3.0	32	1,530	+3.9	34	1,289	+6.8	48	1,463	-3.1	24	867	+7.1
1982-83	141	5,039	-2.1	34	1,565	+2.3	38	1,230	-4.6	45	1,325	-12.1	24	919	+6.0
1983-84	164*	5,082	+0.9	42	1,641	+4.7	44	1,165	-5.6	52	1,388	+4.6	26	888	-3.5
1984-85	167	5,247	+3.2	42	1,808	+10.2	44	1,224	+5.1	54	1,389	+0.1	27	826	-7.0
1985-86	189	5,248	0.0	48	1,541	-14.8	52	1,306	+6.7	56	1,496	+7.7	33	905	+9.6
1986-87	194	6,029	+14.9	52	2,080	+35.0	51	1,376	+5.3	56	1,628	+8.8	35	945	+4.4
1987-88	197	5,933	-1.6	53	1,817	-12.6	51	1,419	+3.1	57	1,686	+3.6	36	1,011	+7.0

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

* Two programs had not yet graduated their first class at time of reporting.

† A previously unreported program was included.

Table 63

GRADUATIONS OF REGISTERED NURSES FROM MASTER'S PROGRAMS IN NURSING, BY NLN REGION AND STATE: 1978-79 TO 1987-88[1]

NLN REGION AND STATE	NUMBER OF GRADUATIONS FROM MASTER'S PROGRAMS									
	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
United States	**4,596**	**4,755**	**4,998**	**5,149**	**5,039**	**5,082**	**5,247**	**5,248**	**6,029**	**5,933**
North Atlantic	1,630	1,565	1,472	1,530	1,565	1,641	1,808	1,541	2,080	1,817
Midwest	986	1,068	1,207	1,289	1,230	1,165	1,224	1,306	1,376	1,419
South	1,307	1,333	1,510	1,463	1,325	1,388	1,389	1,496	1,628	1,686
West	673	789	809	867	919	888	826	905	945	1,011
Alabama	97	166	175	179	148	107	100	150	132	146
Alaska	—	—	—	—	9	1	10	12	—	0
Arizona	57	71	60	85	79	64	65	65	55	56
Arkansas	19	25	28	25	24	16	18	18	21	30
California	310	376	359	377	439	479	427	477	517	436
Colorado	110	104	111	79	101	83	74	70	80	218
Connecticut	80	94	100	110	108	101	91	93	117	115
Delaware	17	15	18	23	37	32	29	26	27	19
District of Columbia	129	118	106	130	117	94	111	131	116	131
Florida	47	34	71	62	33	50	101	96	151	124
Georgia	181	151	136	125	96	114	87	123	97	122
Hawaii	19	15	21	22	18	25	18	9	23	20
Idaho	—	—	3	4	5	5	8	7	2	8
Illinois	234	257	310	374	314	252	282	294	328	261
Indiana	141	114	160	157	197	180	155	172	165	157
Iowa	26	13	28	12	20	18	17	25	17	18
Kansas	45	60	66	63	64	88	77	72	76	69
Kentucky	38	50	48	57	54	59	49	70	47	43
Louisiana	25	38	59	93	80	55	59	86	65	51
Maine	—	—	—	—	0	0	6	7	17	17
Maryland	113	95	111	107	122	110	137	99	113	109
Massachusetts	358	361	283	296	255	218	218	144	480	175
Michigan	116	175	140	156	137	138	155	184	170	179
Minnesota	62	88	105	102	97	100	84	68	103	126
Mississippi	71	59	45	34	42	46	50	37	43	43
Missouri	79	60	84	73	75	68	82	76	83	82
Montana	4	7	14	9	6	1	4	7	3	9
Nebraska	34	38	38	28	36	27	32	31	17	29
Nevada	—	—	6	3	5	7	1	7	8	5
New Hampshire	—	—	—	—	—	—	—	0	2	4
New Jersey	28	63	73	61	77	75	235	79	99	88
New Mexico	—	4	4	9	11	13	9	21	14	16
New York	775	661	607	581	564	691	702	645	645	772
North Carolina	83	81	108	104	120	88	93	103	87	112
North Dakota	—	—	—	—	0	4	3	6	26	18
Ohio	152	181	160	195	165	168	223	242	260	356
Oklahoma	36	31	51	42	30	44	75	54	57	42
Oregon	28	59	52	78	68	52	51	56	49	65
Pennsylvania	237	241	263	306	388	414	397	403	558	468
Rhode Island	19	12	22	23	19	16	19	13	19	28
South Carolina	56	52	60	62	38	89	42	50	61	89
South Dakota	—	—	—	6	11	15	7	14	15	6
Tennessee	107	131	104	117	70	94	94	84	109	113
Texas	355	325	341	289	277	298	255	320	352	380
Utah	32	36	42	61	63	62	61	47	54	61
Vermont	—	—	—	—	—	—	—	—	—	—
Virginia	53	77	165	156	170	193	187	174	261	244
Washington	113	117	137	139	114	95	102	123	134	109
West Virginia	13	18	8	11	21	25	42	32	32	38
Wisconsin	97	82	116	123	114	107	107	122	116	118
Wyoming	—	—	—	1	1	1	1	4	6	8
American Samoa	—	—	—	—	—	—	—	—	—	—
Guam	—	—	—	—	—	—	—	—	—	—
Puerto Rico	25	23	28	44	46	54	74	59	65	45
Virgin Islands	—	—	—	—	—	—	—	—	—	—

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Graduations from Master's Programs, by Functional Area (Tables 64)

- As with enrollments, the largest group of master's graduates chose advanced clinical practice as their functional area of study—over 65 percent of the total. This represents an increase over last year's figure.
- Decreases in graduations were registered in both teaching and in administration/management in 1986–87 (see Figure 23).

Figure 23

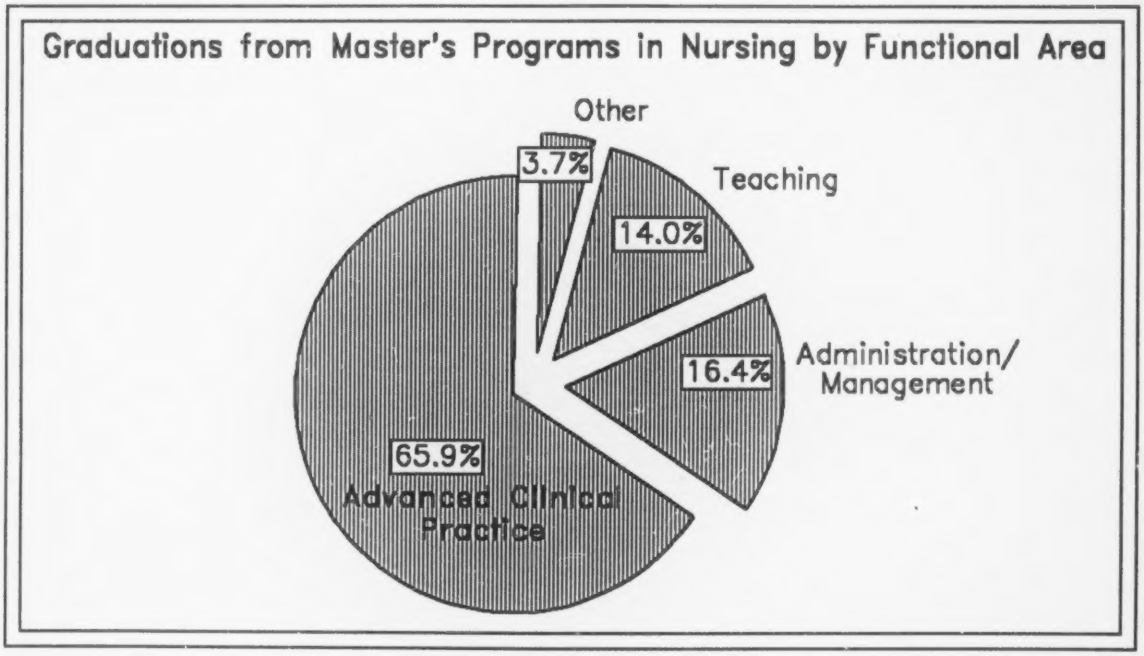

Table 64
GRADUATIONS OF NURSES FROM MASTER'S PROGRAMS, BY FUNCTIONAL AREA OF STUDY: 1977-78 TO 1987-88[1]

YEAR	GRADUATIONS BY FUNCTIONAL AREA OF STUDY									
	TOTAL		TEACHING		ADMINISTRATION/ MANAGEMENT		ADVANCED CLINICAL PRACTICE		OTHER	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1977-78	4,271	100.0	974	22.8	416	9.7	2,675	62.7	206	4.8
1978-79	4,621	100.0	946	20.5	351	7.6	3,000	64.9	324	7.0
1979-80	4,778	100.0	794	16.6	392	8.2	3,342	70.0	250	5.2
1980-81	5,026	100.0	862	17.2	405	8.0	3,577	71.2	182	3.6
1981-82	5,193	100.0	670	12.9	690	13.3	3,806	73.3	27	0.5
1982-83	5,085	100.0	834	16.4	620	12.2	3,558	70.0	73	1.4
1983-84	4,669*	100.0*	475	10.2	619	13.2	3,545	75.9	30	0.6
1984-85	5,247	100.0	661	12.6	915	17.4	3,625	69.1	46	0.9
1985-86	5,248	100.0	684	13.0	841	16.1	3,679	70.1	44	0.8
1986-87	6,029	100.0	1,067	17.7	1,133	18.8	3,822	63.4	7	0.1
1987-88	5,933	100.0	831	14.0	973	16.4	3,910	65.9	219	3.7

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[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

* Eight programs did not respond to this section of the questionnaire.

Graduations from Master's Programs, by Nursing Content (Tables 65)

- The largest group of graduates studied medical-surgical nursing (30.6%), followed by maternal-child nursing (19%), psychiatric-mental health nursing (12%), community health nursing (10%), and gerontology (6%). All categories except medical-surgical registered increases since 1986–87 while the "other" category fell dramatically (see Figure 24).

Figure 24

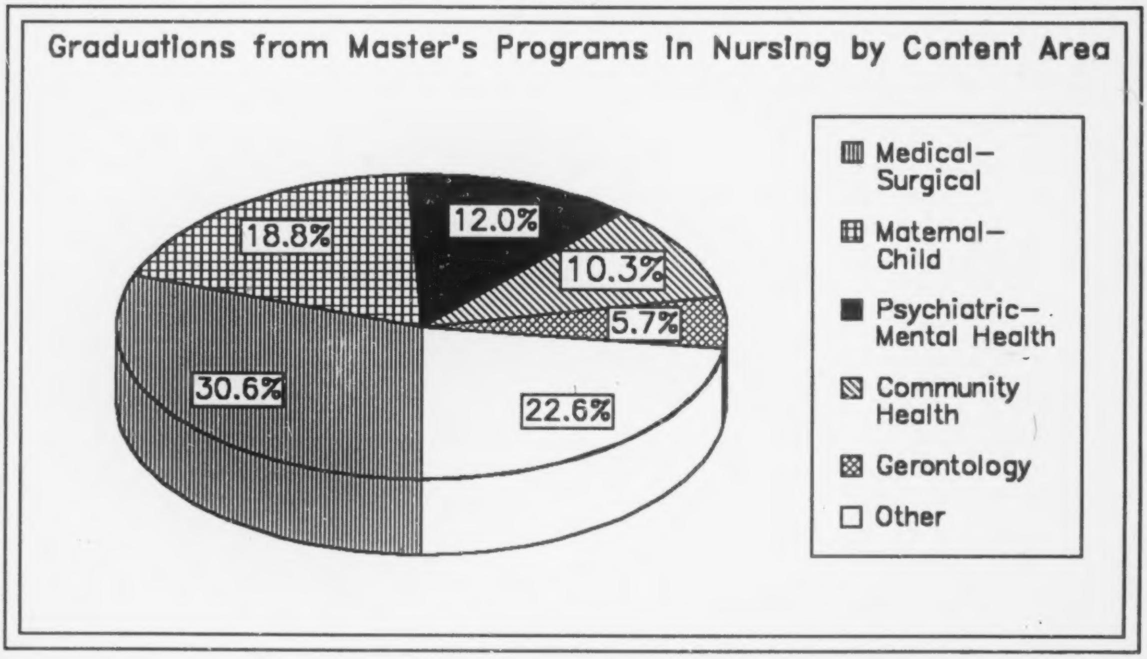

Table 65
GRADUATIONS OF NURSES FROM MASTER'S PROGRAMS, BY NURSING CONTENT AREA: 1977-1978 TO 1987-1988[1]

ACADEMIC YEAR	GRADUATIONS BY NURSING CONTENT AREA													
	TOTAL		MEDICAL-SURGICAL		MATERNAL-CHILD		PSYCHIATRIC-MENTAL HEALTH		COMMUNITY HEALTH		GERONTOLOGY†		OTHER (nursing administration, public policy) or NOT DESIGNATED	
	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total	Number	Percent of Total
1977-78	4,271	100.0	1,271	29.8	695	16.3	732	17.1	284	6.6	–	–	1,289	30.2
1978-79	4,621	100.0	1,642	35.5	756	16.4	726	15.7	526	11.4	–	–	971	21.0
1979-80	4,778	100.0	1,678	35.1	823	17.2	781	16.4	627	13.1	–	–	869	18.2
1980-81	5,026	100.0	1,793	35.7	942	18.8	791	15.7	655	13.0	–	–	845	16.8
1981-82	5,193	100.0	1,775	34.2	942	18.1	787	15.2	724	13.9	–	–	965	18.6
1982-83	5,085	100.0	1,704	33.5	825	16.2	674	13.3	772	15.2	–	–	1,110	21.8
1983-84	4,390*	100.0*	1,436	32.7	1,152	26.2	548	12.4	306	7.0	–	–	948	21.6
1984-85	5,247	100.0	2,083	39.7	1,412	26.9	771	14.7	666	12.7	–	–	315	6.0
1985-86	5,248	100.0	1,839	35.0	1,276	24.3	513	9.8	419	8.0	–	–	1,201	22.9
1986-87	6,029	100.0	1,682	27.9	796	13.2	573	9.5	524	8.7	235	3.9	2,219	36.8
1987-88	5,933	100.0	1,815	30.6	1,115	18.8	712	12.0	611	10.3	338	5.7	1,341	22.6

[1] Until 1983-84 data on American Samoa, Guam, Puerto Rico, and the Virgin Islands were included.

* Eight programs did not respond to this section of the questionnaire.

† 1987 is the first year that data on gerontology have been collected.

DOCTORAL PROGRAMS IN NURSING

Doctoral Programs in Nursing (Tables 66–68)

- The number of doctoral nursing programs in 1988 stood at 46, with the programs distributed among 28 states (see Table 66 and Figure 25).

- The number of doctoral nursing programs grew from 6 in 1967 to the current 46—a 650 percent increase over 20 years. In the last decade, there was an increase of 24 doctoral programs, and in the five-year period from 1984 to 1988, 15 new doctoral programs were opened (see Table 67).

- The number of enrollments in doctoral nursing programs increased 8.3 percent since 1987 to 2,309 (see Table 67).

- The current number of enrollments in doctoral nursing programs (2,309) represents an increase of 135 percent over the past decade. Between 1984 and 1988 the number of enrollments increased 36.1 percent (see Table 67).

- The proportion of full-time doctoral students stood at 41.4 percent (see Table 67).

- The North Atlantic and South have the largest groups of doctoral students enrolled—having 27 and 35 percent of the total respectively. Doctoral students in the Midwest constitute 23 percent of total doctoral enrollment; and the West, 16.7 percent (see Table 68).

- All regions, except the West, reported increases in doctoral enrollments from 1987: South, +13 percent; Midwest +14 percent; and North Atlantic, +3 percent. The West reported a 3 percent decrease in the number of doctoral enrollments (see Table 68).

Figure 25
Distribution of Doctoral Programs throughout the United States

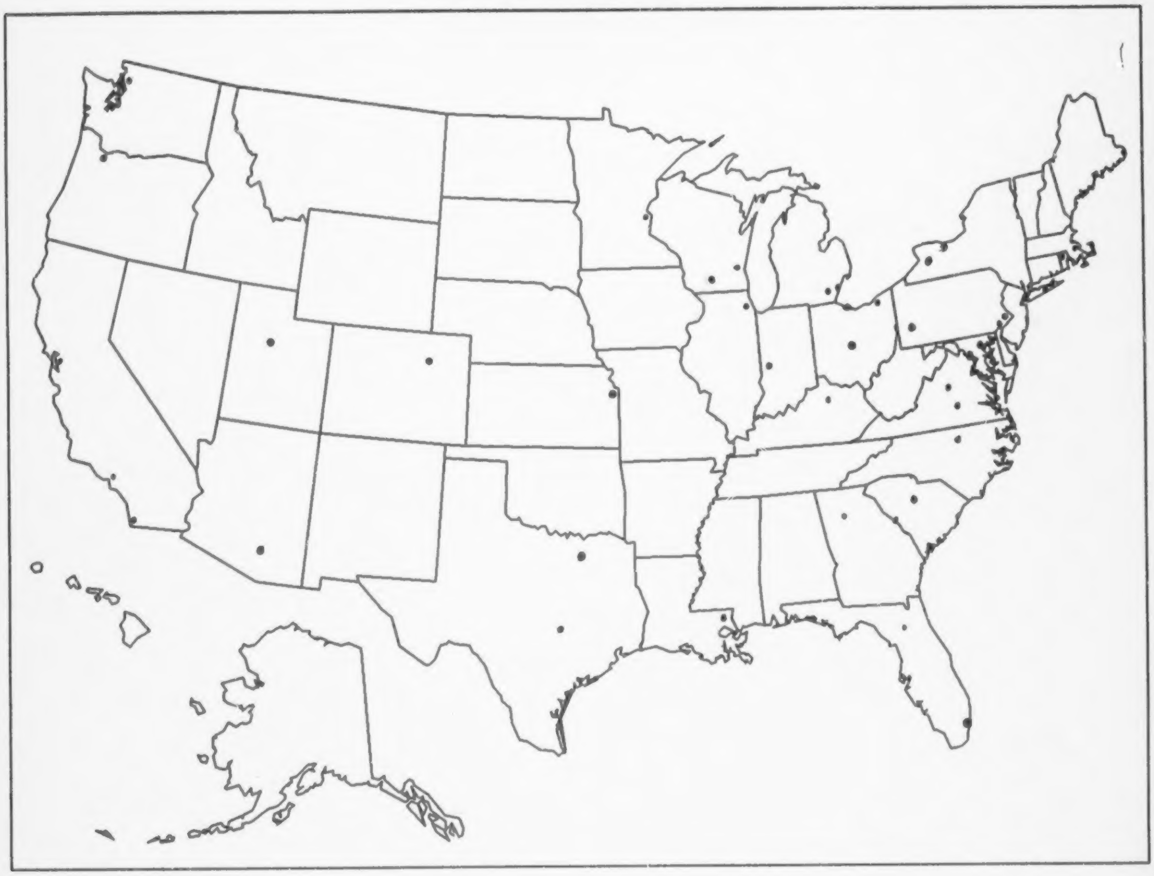

Table 66

DOCTORAL PROGRAMS IN NURSING LOCATED IN NURSING EDUCATION DEPARTMENTS: 1979 TO 1988[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS									
	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
United States	**22**	**22**	**23**	**25**	**27**	**31**	**33**	**38**	**45**	**46**
North Atlantic	7	7	8	8	8	9	10	10	12	12
Midwest	6	6	6	7	9	10	10	11	11	11
South	4	4	4	5	5	6	6	10	14	15
West	5	5	5	5	5	6	7	7	8	8
Alabama	1	1	1	1	1	1	1	1	1	1
Alaska	0	0	0	0	0	0	0	0	0	0
Arizona	1	1	1	1	1	1	1	1	1	1
Arkansas	0	0	0	0	0	0	0	0	0	0
California	1	1	1	1	1	2	2	2	3	3
Colorado	1	1	1	1	1	1	1	1	1	1
Connecticut	0	0	0	0	0	0	0	0	0	0
Delaware	0	0	0	0	0	0	0	0	0	0
District of Columbia	1	1	1	1	1	1	1	1	1	1
Florida	0	0	0	0	0	1	1	2	2	2
Georgia	0	0	0	0	0	0	0	1	2	2
Hawaii	0	0	0	0	0	0	0	0	0	0
Idaho	0	0	0	0	0	0	0	0	0	0
Illinois	2	2	2	2	2	2	2	2	2	2
Indiana	1	1	1	1	1	1	1	1	1	1
Iowa	0	0	0	0	0	0	0	0	0	0
Kansas	0	0	0	0	1	1	1	1	1	1
Kentucky	0	0	0	0	0	0	0	0	1	1
Louisiana	0	0	0	0	0	0	0	1	1	1
Maine	0	0	0	0	0	0	0	0	0	0
Maryland	1	1	1	1	1	1	1	1	1	1
Massachusetts	1	1	1	1	1	1	1	1	2	2
Michigan	2	2	2	2	2	2	2	2	2	2
Minnesota	0	0	0	0	1	1	1	1	1	1
Mississippi	0	0	0	0	0	0	0	0	0	0
Missouri	0	0	0	0	0	0	0	0	0	0
Montana	0	0	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0	0	0	0
Nevada	0	0	0	0	0	0	0	0	0	0
New Hampshire	0	0	0	0	0	0	0	0	0	0
New Jersey	0	0	0	0	0	0	0	0	0	0
New Mexico	0	0	0	0	0	0	0	0	0	0
New York	3	3	4	4	4	4	4	4	5	5
North Carolina	0	0	0	0	0	0	0	0	0	1
North Dakota	0	0	0	0	0	0	0	0	0	0
Ohio	1	1	1	1	1	1	1	2	2	2
Oklahoma	0	0	0	0	0	0	0	0	0	0
Oregon	0	0	0	0	0	0	1	1	1	1
Pennsylvania	2	2	2	2	2	3	3	3	3	3
Rhode Island	0	0	0	0	0	0	1	1	1	1
South Carolina	0	0	0	0	0	0	0	0	1	1
South Dakota	0	0	0	0	0	0	0	0	0	0
Tennessee	0	0	0	0	0	0	0	0	0	0
Texas	2	2	2	2	2	2	2	2	2	2
Utah	1	1	1	1	1	1	1	1	1	1
Vermont	0	0	0	0	0	0	0	0	0	0
Virginia	0	0	0	1	1	1	1	2	3	3
Washington	1	1	1	1	1	1	1	1	1	1
West Virginia	0	0	0	0	0	0	0	0	0	0
Wisconsin	0	0	0	1	1	2	2	2	2	2
Wyoming	0	0	0	0	0	0	0	0	0	0
American Samoa	0	0	0	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0	0	0	0
Puerto Rico	0	0	0	0	0	0	0	0	0	0
Virgin Islands	0	0	0	0	0	0	0	0	0	0

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 67

ENROLLMENTS AND PERCENTAGE CHANGE FROM PREVIOUS YEAR OF NURSES IN DOCTORAL PROGRAMS LOCATED IN NURSING EDUCATION DEPARTMENTS: 1969 TO 1988[1]

ACADEMIC YEAR	NUMBER OF PROGRAMS	ENROLLMENTS					
		Total		Full-Time		Part-Time	
		Number	Percent Change	Number	Percent	Number	Percent
1969	6	286	+10.9	170	59.4	116	40.6
1970	6	312	+9.1	120	38.5	192	61.5
1971	6	293	−6.1	151	51.5	142	48.5
1972	8	402	+37.2	180	44.8	222	55.2
1973	8	375	−6.7	161	42.9	214	57.1
1974	9	482	+28.5	192	39.8	290	60.2
1975	12	506	+5.0	199	39.3	307	60.7
1976	14	632	+24.9	278	44.0	354	56.0
1977	16	790	+25.0	294	37.2	496	62.8
1978	21	789	−0.1	358	45.4	431	54.6
1979	22	980	+24.2	504	51.4	476	48.6
1980	22	1,019	+4.0	603	59.2	416	40.8
1981	23	1,163	+14.1	625	53.7	538	46.3
1982	25	1,342	+15.4	655	48.8	687	51.2
1983	27	1,495	+11.4	685	45.8	810	54.2
1984	31	1,696	+13.4	758	44.7	938	55.3
1985	33	1,788	+5.4	685	38.3	1,103	61.7
1986	38	1,949	+9.0	782	40.0	1,167	60.0
1987	45	2,133	+9.4	1,018	47.7	1,115	52.3
1988	46	2,309	+8.3	955	41.4	1,354	58.6

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[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table 68

ENROLLMENTS OF REGISTERED NURSES IN DOCTORAL PROGRAMS LOCATED IN NURSING EDUCATION DEPARTMENTS: 1979 TO 1988[1]

NLN REGION AND STATE	NUMBER OF ENROLLMENTS									
	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
United States	**980**	**1,019**	**1,163**	**1,342**	**1,495**	**1,696**	**1,788**	**1,949**	**2,133**	**2,309**
North Atlantic	524	452	450	518	576	643	662	603	606	624
Midwest	170	209	251	275	278	336	384	426	454	530
South	172	212	271	329	409	470	465	607	716	809
West	114	146	191	220	232	247	277	313	357	346
Alabama	49	49	53	60	64	65	71	83	118	108
Alaska	0	0	0	0	0	0	0	0	0	–
Arizona	16	19	20	23	28	34	28	41	45	42
Arkansas	0	0	0	0	0	0	0	0	0	–
California	53	64	92	106	96	105	125	133	162	180
Colorado	13	20	21	22	23	20	18	32	37	–
Connecticut	0	0	0	0	0	0	0	0	0	–
Delaware	0	0	0	0	0	0	0	0	0	–
District of Columbia	91	74	71	1	68	70	76	71	57	62
Florida	0	0	0	0	0	6	20	44	59	67
Georgia	0	0	0	0	0	0	0	9	31	46
Hawaii	0	0	0	0	0	0	0	0	0	–
Idaho	0	0	0	0	0	0	0	0	0	–
Illinois	65	79	87	79	103	90	137	152	137	182
Indiana	26	40	67	73	51	50	57	58	56	44
Iowa	0	0	0	0	0	0	0	0	0	–
Kansas	0	0	0	0	7	12	19	23	28	29
Kentucky	0	0	0	0	0	0	0	0	10	11
Louisiana	0	0	0	0	0	0	0	17	20	32
Maine	0	0	0	0	0	0	0	0	0	–
Maryland	7	16	25	37	44	49	45	59	60	62
Massachusetts	49	49	62	58	54	59	52	44	43	38
Michigan	59	65	71	84	65	109	76	79	96	117
Minnesota	0	0	0	0	3	7	16	16	20	23
Mississippi	0	0	0	0	0	0	0	0	0	–
Missouri	0	0	0	0	0	0	0	0	0	–
Montana	0	0	0	0	0	0	0	0	0	–
Nebraska	0	0	0	0	0	0	0	0	0	–
Nevada	0	0	0	0	0	0	0	0	0	–
New Hampshire	0	0	0	0	0	0	0	0	0	–
New Jersey	0	0	0	0	0	0	0	0	0	–
New Mexico	0	0	0	0	0	0	0	0	0	–
New York	336	274	249	313	363	393	387	329	328	326
North Carolina	0	0	0	0	0	0	0	0	0	–
North Dakota	0	0	0	0	0	0	0	0	0	–
Ohio	20	25	25	38	47	58	64	76	85	94
Oklahoma	0	0	0	0	0	0	0	0	0	–
Oregon	0	0	0	0	0	0	0	18	26	36
Pennsylvania	48	55	68	76	91	121	142	148	164	178
Rhode Island	0	0	0	0	0	0	5	11	14	20
South Carolina	0	0	0	0	0	0	0	0	10	20
South Dakota	0	0	0	0	0	0	0	0	0	–
Tennessee	0	0	0	0	0	0	0	0	0	–
Texas	116	147	193	224	289	338	303	345	350	371
Utah	16	19	29	35	47	48	56	51	46	44
Vermont	0	0	0	0	0	0	0	0	0	–
Virginia	0	0	0	8	12	12	26	50	58	92
Washington	16	24	29	34	38	40	40	38	41	44
West Virginia	0	0	0	0	0	0	0	0	0	–
Wisconsin	0	0	1	1	2	10	10	22	32	41
Wyoming	0	0	0	0	0	0	0	0	0	–
American Samoa	0	0	0	0	0	0	0	0	0	–
Guam	0	0	0	0	0	0	0	0	0	–
Puerto Rico	0	0	0	0	0	0	0	0	0	–
Virgin Islands	0	0	0	0	0	0	0	0	0	–

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Graduations from Doctoral Nursing Programs (Table 69)

- A record 284 students graduated from doctoral nursing programs in 1987–88. This figure represents a 10.5 percent increase over the previous year (see Figure 26).
- A decade ago, 101 doctoral graduates were reported. The increase over the ten-year period amounts to 181 percent. In the last five years, the number of graduates from doctoral programs grew almost 104 percent.
- The South had the largest proportion of doctoral graduates, with 36 percent of the total. The North Atlantic followed, with 30 percent, while the Midwest reported 22 percent and the West, 12 percent of all doctoral graduations.
- A total 1,794 doctorates in nursing were granted within the last ten years.
- The number of doctoral graduates rose 16 percent in the South, 21.6 percent in the Midwest and 7.5 percent in the North Atlantic. The West, on the other hand, reported decreases for the second year. Graduations were down 10.5 percent in the West.

Figure 26

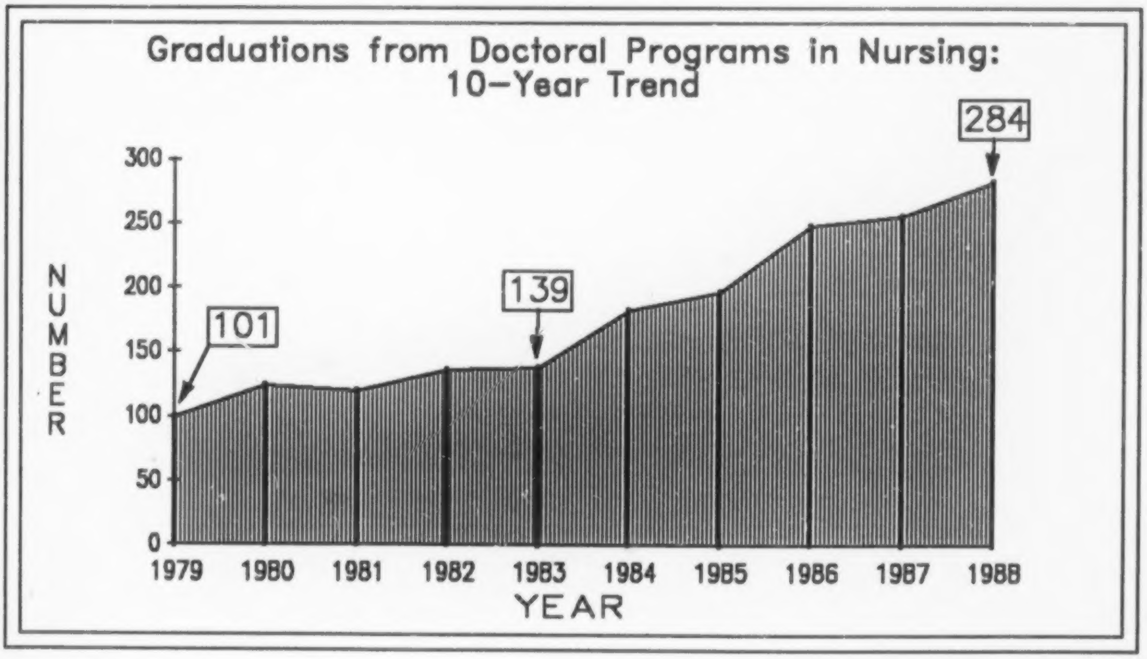

Table 69

GRADUATIONS OF REGISTERED NURSES FROM DOCTORAL PROGRAMS LOCATED IN NURSING EDUCATION DEPARTMENTS: 1978-79 TO 1987-88[1]

NLN REGION AND STATE	NUMBER OF GRADUATIONS									
	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-1988
United States	**101**	**125**	**121**	**137**	**139**	**183**	**198**	**249**	**257**	**284**
North Atlantic	69	85	62	59	45	67	56	75	80	86
Midwest	6	13	22	37	33	36	45	52	51	62
South	17	19	23	23	36	60	65	78	88	102
West	9	8	14	18	25	20	32	44	38	34
Alabama	2	10	8	8	12	16	13	11	14	18
Alaska	0	0	0	0	0	0	0	0	0	—
Arizona	1	1	3	3	2	5	3	7	7	5
Arkansas	0	0	0	0	0	0	0	0	0	—
California	8	7	9	6	9	10	21	16	10	14
Colorado	0	0	0	2	7	4	2	4	1	7
Connecticut	0	0	0	0	0	0	0	0	0	—
Delaware	0	0	0	0	0	0	0	0	0	—
District of Columbia	6	14	9	7	5	9	8	13	9	10
Florida	0	0	0	0	0	0	0	0	2	2
Georgia	0	0	0	0	0	0	0	0	0	—
Hawaii	0	0	0	0	0	0	0	0	0	—
Idaho	0	0	0	0	0	0	0	0	0	—
Illinois	1	6	8	14	11	12	20	18	16	21
Indiana	0	0	3	12	5	10	6	10	14	12
Iowa	0	0	0	0	0	0	0	0	0	—
Kansas	0	0	0	0	0	0	0	1	1	2
Kentucky	0	0	0	0	0	0	0	0	0	—
Louisiana	0	0	0	0	0	0	0	0	0	—
Maine	0	0	0	0	0	0	0	0	0	—
Maryland	0	0	0	0	0	2	5	5	5	8
Massachusetts	6	3	2	8	5	8	4	7	5	9
Michigan	4	4	8	8	13	8	13	13	8	17
Minnesota	0	0	0	0	0	0	0	0	0	1
Mississippi	0	0	0	0	0	0	0	0	0	—
Missouri	0	0	0	0	0	0	0	0	0	—
Montana	0	0	0	0	0	0	0	0	0	—
Nebraska	0	0	0	0	0	0	0	0	0	—
Nevada	0	0	0	0	0	0	0	0	0	—
New Hampshire	0	0	0	0	0	0	0	0	0	—
New Jersey	0	0	0	0	0	0	0	0	0	—
New Mexico	0	0	0	0	0	0	0	0	0	—
New York	51	61	47	38	27	44	36	46	56	51
North Carolina	0	0	0	0	0	0	0	0	0	—
North Dakota	0	0	0	0	0	0	0	0	0	—
Ohio	1	3	3	3	4	6	6	10	11	8
Oklahoma	0	0	0	0	0	0	0	0	0	—
Oregon	0	0	0	0	0	0	0	0	0	—
Pennsylvania	6	7	4	6	8	6	8	9	10	16
Rhode Island	0	0	0	0	0	0	0	0	0	—
South Carolina	0	0	0	0	0	0	0	0	0	—
South Dakota	0	0	0	0	0	0	0	0	0	—
Tennessee	0	0	0	0	0	0	0	0	0	—
Texas	15	9	15	15	24	39	46	61	65	72
Utah	0	0	2	5	4	1	3	8	12	6
Vermont	0	0	0	0	0	0	0	0	0	—
Virginia	0	0	0	0	0	0	0	1	2	2
Washington	0	0	0	2	3	3	1	9	8	2
West Virginia	0	0	0	0	0	0	0	0	0	—
Wisconsin	0	0	0	0	0	0	0	0	1	1
Wyoming	0	0	0	0	0	0	0	0	0	—
American Samoa	0	0	0	0	0	0	0	0	0	—
Guam	0	0	0	0	0	0	0	0	0	—
Puerto Rico	0	0	0	0	0	0	0	0	0	—
Virgin Islands	0	0	0	0	0	0	0	0	0	—

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

RN FACULTY

SUMMARY AND RESULTS OF NURSE FACULTY CENSUS

Since 1962, the National League for Nursing has conducted a biennial survey of all nursing education programs that analyzes trends and changes in the profession as they pertain to nurse faculty. Each survey contains questions designed to monitor the trends occurring in nursing education that affect faculty as well as some questions that reflect social and economic challenges to nursing education.

In particular, the 1988 survey contained questions that identify trends related to the number of full-time and part-time faculty, number of unfilled faculty positions, highest earned credential of faculty, number of non-nurse and male faculty, workload, ethnic/racial background of faculty members, and salaries.

Methodology

The Faculty Census Questionnaire was mailed in early 1988 to 1,642 nursing education programs, including 1,485 basic programs and 157 baccalaureate and higher degree programs that only admit registered nurses. Responses were to reflect data as of January 1988.

A supplement to the Faculty Census Questionnaire was sent to graduate programs to ascertain the number of faculty members assigned to graduate teaching, and the workload of graduate faculty.

Response Rate/Population

Of the total of 1,642 programs, 1,451 responded, for a response rate of 88.0 percent. The response rate for each of the subsections of the questionnaire varied.

Analysis of Data

The analysis of the data focused on the differences among types of program, geographic area, types of institutional support, and accreditation status. When looking at the data presented, the reader is encouraged to focus upon the percentages and relationships between the percentages rather than the absolute numbers, since the number of respondents in each year and in each category fluctuates.

Population

The total number of basic nursing education programs had increased steadily from 1956 to 1984. However, since 1984 there has been a 3 percent decrease in the total number of programs.

Despite the 28 percent decrease in number of diploma programs since 1984, a compensatory increase in generic baccalaureate and associate degree programs has kept the number of programs relatively stable.

Number of Faculty in Nursing Education

Over the last two years, the estimated total number of full-time and part-time nurse faculty has decreased by almost 6 percent (see Table F-3). Based on a projected 100 percent return rate, the estimated number of full-time faculty is 19,016 and the estimated number of part-time faculty is 6,077.

In baccalaureate and higher degree programs, there has been a slight increase in full-time faculty (+2.6 percent). For the first time, there has been a decrease (−9.6 percent) in part-time baccalaureate and higher degree faculty.

In diploma programs, the 31.4 percent decrease in full-time faculty and 23.7 percent decrease in part-time faculty reflects the continuing decrease in enrollments and the number of programs closing in the last two years.

A variety of factors affecting nursing education today are causing a decrease in admissions and enrollment and a resulting decrease in the number of programs and faculty. These decreases are just beginning to be felt among nursing faculty. For example, the growing concern with the economics of nursing education had encouraged the increased use of part-time faculty. Part-time faculty are less costly, since they usually do not receive fringe benefits, nor are they paid for such faculty responsibilities as research, advisement, counseling, and committee work. In the past, the use of part-time faculty had been an adaptive strategy for dealing with an increase in enrollments. Now that enrollments are decreasing, there has been a considerable decrease in part-time faculty in baccalaureate and diploma programs. In associate degree programs, there was only a slight increase in part-time faculty, in contrast with the much larger increases in prior years.

Faculty Credentials

The trend toward a better educated faculty continues in all types of nursing education programs. The percentage of faculty with doctorates and graduate educated faculty continues to increase.

Among the faculty teaching at the baccalaureate and higher degree level, 32 percent have a doctorate. Moreover, 99 percent of these faculty members have graduate preparation. Finally, of those in baccalaureate and higher degree programs with a doctorate 36.5 percent had a major in nursing. Also, 95.6 percent of those with a master's and 96.2 percent of those with a bachelor's degree majored in nursing.

In associate degree programs, 83.5 percent of the master's degrees are in nursing, as compared with 72 percent in diploma programs.

Administrators' Credentials

Forty-three percent of all administrators and 78 percent of baccalaureate and higher degree program administrators have an earned doctorate. Between 1986 and 1988, the percentage of doctorally prepared nurses continued to increase.

Ethnic/Racial Background of Faculty

In 1988, 8.5 percent of full-time faculty were members of an ethnic minority, a 0.6 percent decrease from 1986. This percent represents a return to the same level as in 1982. On the average, less than one faculty member in each program is from an ethnic or racial minority.

Number of Male Faculty

Males made up 2.5 percent of full-time faculty and 3.5 percent of part-time faculty. Overall, there is less than one full-time male faculty member for every three nursing programs and one part-time male faculty member for every five nursing programs. This represents a decrease from 1986.

Faculty Workload

Analysis of faculty workload shows that most faculty in nursing education programs teach between three and six hours in the classroom per week. In most basic nursing education programs, faculty spend from 12 to 17 hours per week in clinical teaching. Diploma programs have a significantly higher number of hours of clinical teaching, with a mean and median of 17 hours per week. The Western region has significantly higher faculty clinical teaching hours in comparison with the North Atlantic region.

Faculty in baccalaureate programs that admit registered nurses only teach more hours in the classroom and less hours in the clinical setting per week. Graduate faculty tend to teach a similar number of hours in the classroom, but less hours in the clinic than any other type of program.

Salaries in Nursing Education

Administrators' salaries continue to be highest in baccalaureate and higher degree programs with generic students. Administrators who have earned their doctorates will earn on a calendar year an average of $57,000. Full professors who have earned their doctorates will earn on a calendar year an average of $54,000. Faculty who have earned their doctorates, in general, have higher salaries than faculty with master's degrees or other credentials.

Assistant professor salaries average in the mid- to high twenties and low thirties. Mean salaries for instructors average in the low to mid-twenties. While nursing salaries are now growing at an increasingly rapid rate, it still appears that the low salaries of faculty at the entry level will be a deterrent to recruitment and retention of faculty.

Summary

In summary, the NLN faculty census provides a large amount of information for administrators, faculty, and scholars of nursing education to utilize in their analysis of the status and role of nursing faculty. Comparison of individual program information will assist administrators in their decision making and reports.

Program Information

Number of Nursing Education Programs by Region (Table F-1)

- This table shows the population of all nursing education programs by program type and NLN region (see "Jurisdictions Included in the NLN Regions") as of January 1988. Additional information on nursing programs can be found in the current issue of the *Nursing Student Census* and the *Nursing Data Review* (NLN).

- There is considerable regional variation in the distribution of programs. For example, associate degree programs represent 65.2 percent of all nursing education programs in the West, while in contrast, in the North Atlantic, associate degree programs represent only 36.6 percent of programs.

- In the West, 0.4 percent of the nursing education programs are diploma programs, whereas, 24.4 percent of all programs in the North Atlantic are diploma programs.

- Baccalaureate and higher degree programs constitute 38.8 percent of all nursing educational programs. Although the percentage of baccalaureate and higher degree programs is similar across regions, the Midwest had the highest percent (40.5%), and the West had the lowest (32.9%).

Table F-1

NUMBER AND PERCENT OF NURSING EDUCATION PROGRAMS BY REGION:1988

NLN REGION	All Programs		Diploma Programs		Associate Degree Programs		Baccalaureate and Higher Degree Programs			
							Generic		Non-Generic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Regions	1,642	100	209	12.7	796	48.5	480	29.2	157	9.6
North Atlantic	402	100	98	24.4	147	36.6	108	26.9	49	12.2
Midwestern	467	100	71	15.2	207	44.3	146	31.3	43	9.2
Southern	521	100	39	7.5	283	54.3	157	30.1	42	8.1
Western	227	100	1	0.4	148	65.2	56	24.6	22	9.7
Territories	25	100	0	0.0	11	44.0	13	52.0	1	4.0

Number of Nursing Education Programs by State (Table F-2)

- Table F-2 presents the total number of nursing education programs by program type and state, as of January 1988.
- New York and Pennsylvania have the largest overall number of nursing education programs, with more than 100 programs in each state.
- California and New York had the highest number of both associate degree programs and baccalaureate programs, while Pennsylvania had the greatest number of diploma programs.

Table F-2
NUMBER OF NURSING EDUCATION PROGRAMS BY STATE:1988

JURISDICTION	TOTAL NUMBER OF PROGRAMS	Diploma Programs	Associate Degree Programs	Baccalaureate and Higher Degree Programs	
				Generic Programs	Non-Generic Programs
Alabama	35	2	20	13	0
Alaska	2	0	1	1	0
Arizona	18	0	11	6	1
Arkansas	21	2	11	7	1
California	98	1	67	21	9
Colorado	13	0	6	6	1
Connecticut	22	5	6	7	4
Delaware	8	1	3	2	2
District of Columbia	6	0	1	5	0
Florida	44	1	26	13	4
Georgia	37	2	19	12	4
Hawaii	6	0	4	2	0
Idaho	9	0	5	2	2
Illinois	78	14	34	25	5
Indiana	44	6	17	17	4
Iowa	39	5	20	11	3
Kansas	34	2	19	11	2
Kentucky	30	0	18	9	3
Louisiana	23	4	6	12	1
Maine	15	1	9	3	2
Maryland	26	4	14	6	2
Massachusetts	55	13	20	15	7
Michigan	50	3	32	14	1
Minnesota	27	0	12	10	5
Mississippi	22	0	14	7	1
Missouri	50	9	22	12	7
Montana	4	0	2	2	0
Nebraska	15	5	1	7	2
Nevada	6	0	4	1	1
New Hampshire	10	1	6	3	0
New Jersey	45	17	13	7	8
New Mexico	15	0	12	1	2
New York	122	16	61	32	13
North Carolina	62	4	41	12	5
North Dakota	10	2	1	6	1
Ohio	77	22	29	17	9
Oklahoma	28	0	16	11	1
Oregon	18	0	13	4	1
Pennsylvania	105	42	22	30	11
Rhode Island	7	2	2	3	0
South Carolina	23	1	13	6	3
South Dakota	9	1	5	3	0
Tennessee	38	6	17	12	3
Texas	69	2	42	20	5
Utah	5	0	1	3	1
Vermont	7	0	4	1	2
Virginia	41	9	16	9	7
Washington	27	0	17	6	4
West Virginia	22	2	10	8	2
Wisconsin	34	2	15	13	4
Wyoming	6	0	5	1	0
American Samoa	1	0	1	0	0
Guam	2	0	1	0	1
Puerto Rico	20	0	8	12	0
Virgin Islands	2	0	1	1	0
TOTAL	1,642	209	796	480	157

Number of Faculty and Unfilled Positions

Full-Time and Part-Time Faculty by State (Table F-3)

- Table F-3 presents data from all responding nursing education programs, including those programs that admit only registered nurses to complete the baccalaureate or graduate degree.

- Part-time faculty constitute 24 percent of all nurse faculty. The highest percentage of part-time faculty are in associate degree programs (29.8%), followed by baccalaureate degree programs (22%), and diploma programs (17%).

Table F-3

TOTAL NUMBER OF FULL-TIME AND PART-TIME FACULTY, BY TYPE OF PROGRAM AND STATE: ALL GENERIC AND NON-GENERIC PROGRAMS:1988

JURISDICTION	TOTAL NUMBER OF PROGRAMS	NUMBER OF PROGRAMS REPORTING	FACULTY IN ALL PROGRAMS		BACCALAUREATE & HIGHER DEGREE PROGRAMS		ASSOCIATE DEGREE PROGRAMS		DIPLOMA PROGRAMS	
			Full-Time	Part-Time	Full-Time	Part-Time	Full-Time	Part-Time	Full-Time	Part-Time
Alabama	35	32	392	58	262	30	125	27	5	1
Alaska	2	2	25	12	19	9	6	3	0	0
Arizona	18	16	328	77	255	16	73	61	0	0
Arkansas	21	21	197	35	83	16	78	18	36	1
California	98	85	1,029	371	513	198	486	172	30	1
Colorado	13	12	115	102	88	54	27	48	0	0
Connecticut	22	19	224	102	152	69	21	16	51	17
Delaware	8	8	86	29	49	11	29	18	8	0
District of Columbia	6	4	73	22	66	20	7	2	0	0
Florida	44	38	554	124	246	42	291	81	17	1
Georgia	37	32	324	81	173	31	123	44	28	6
Hawaii	6	6	73	13	48	13	25	0	0	0
Idaho	9	8	65	12	26	3	39	9	0	0
Illinois	78	69	770	170	415	99	249	52	106	19
Indiana	44	41	523	135	350	65	123	58	50	12
Iowa	39	33	278	165	134	52	96	98	48	15
Kansas	34	29	257	66	143	46	99	19	15	1
Kentucky	30	25	265	60	132	29	133	31	0	0
Louisiana	23	23	354	34	229	24	60	7	65	3
Maine	15	9	79	18	48	14	28	4	3	0
Maryland	26	23	285	100	150	45	115	51	20	4
Massachusetts	55	48	598	246	331	105	154	118	113	23
Michigan	50	45	520	363	282	153	214	210	24	0
Minnesota	27	26	237	77	172	42	65	35	0	0
Mississippi	22	19	256	18	121	10	135	8	0	0
Missouri	50	42	400	117	181	46	95	54	124	17
Montana	4	4	61	23	50	16	11	7	0	0
Nebraska	15	12	191	52	150	41	11	7	30	4
Nevada	6	8	53	17	30	11	23	6	0	0
New Hampshire	10	8	69	19	21	6	37	13	11	0
New Jersey	45	42	435	173	134	74	124	53	177	46
New Mexico	15	14	102	29	39	4	63	25	0	0
New York	122	101	1,282	639	725	299	444	294	113	46
North Carolina	62	53	455	108	220	29	199	73	36	6
North Dakota	10	8	84	21	70	18	6	1	8	2
Ohio	77	68	864	352	353	135	264	168	247	49
Oklahoma	28	26	218	44	128	18	90	26	0	0
Oregon	18	18	188	82	104	47	84	35	0	0
Pennsylvania	105	88	1,123	310	535	119	165	106	423	85
Rhode Island	7	4	83	11	64	9	0	0	19	2
South Carolina	23	19	238	56	152	26	84	29	2	1
South Dakota	9	9	87	46	51	18	28	26	8	2
Tennessee	38	37	392	89	204	42	129	32	59	15
Texas	69	66	940	131	473	66	434	65	33	0
Utah	5	5	120	45	86	38	34	7	0	0
Vermont	7	6	36	6	23	2	13	4	0	0
Virginia	41	37	406	114	199	51	130	48	77	15
Washington	27	26	279	120	151	57	128	63	0	0
West Virginia	22	19	180	40	96	17	64	22	20	1
Wisconsin	34	33	408	169	238	134	160	31	10	4
Wyoming	6	6	45	20	22	3	23	17	0	0
American Samoa	1	1	3	0	0	0	3	0	0	0
Guam	2	2	8	7	1	4	7	3	0	0
Puerto Rico	20	14	146	40	118	30	28	10	0	0
Virgin Islands	2	2	10	2	6	1	4	1	0	0
TOTAL	1,642	1,451	16,813	5,372	9,111	2,557	5,686	2,416	2,016	399

Trends in Numbers of Faculty, 1972-1986 (Table F-4)

- Table F-4 shows changes in the number of reported full-time faculty, part-time faculty, and unfilled positions, based on the responses of all reporting programs. In interpreting the percentage changes, readers should note the variation in response rates from year to year that might affect the numbers reported. For data projected to a 100 percent response rate, see Table F-5.

- In general, the ratios of full-time to part-time faculty by program type in 1988 were as follows:

Associate degree programs	2:1
Baccalaureate programs	3:1
Diploma programs	5:1
All program types	3:1

- Only baccalaureate and higher degree programs continue to show an increase in the number of part-time faculty, although it was only a 0.2 percent increase.

Table F-4

CHANGE IN NUMBER OF FULL-TIME AND PART-TIME FACULTY AND UNFILLED POSITIONS, BY TYPE OF PROGRAM: 1972-1988[1]

NUMBER OF FACULTY AND UNFILLED BUDGETED POSITIONS BY TYPE OF PROGRAM[2]	1972		1974		1976		1978		1980		1982		1984		1986		1988	
	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change
ALL RN PROGRAMS REPORTING[2]																		
Number of Programs Reporting	1,333	−1.9	1,375	+3.1	1,395	+1.5	1,340	−3.9	1,385	+3.4	1,391	+0.4	1,556	+11.6	1,467	−5.7	1,451	−1.1
Percent of total programs	96.7	−2.6	98.8	+2.1	97.3	−1.5	91.5	−5.8	92.9	+1.4	89.9	−3.0	92.3	+2.4	88.7	−3.6	88.4	−0.3
Number of full-time faculty	16,794	+8.0	19,204	+14.3	20,572	+17.1	20,217	−1.7	20,355	+0.7	19,742	−3.0	20,449	+3.6	18,060	−11.7	16,813	−6.9
Number of part-time faculty	2,879	+12.0	3,780	+31.3	4,121	+9.0	4,457	+8.2	4,781	+7.3	5,167	+8.1	6,322	+22.4	5,746	−9.1	5,372	−6.5
Unfilled budgeted positions	877	−19.2	864	−1.5	776	−10.2	800	+3.1	710	−11.2	720	+1.4	694	−3.6	611	−12.0	768	+25.7
BACCALAUREATE AND HIGHER DEGREE PROGRAMS REPORTING[3]																		
Number of Programs Reporting	292	+4.3	319	+9.2	373	+16.9	378	+1.3	433	+14.5	468	+8.1	564	+20.5	557	−1.2	578	+3.8
Percent of total programs	97.0	−1.9	98.8	+1.8	96.1	−2.7	85.9	−10.2	92.1	+6.2	90.3	−1.8	90.3	0.0	91.2	+1.2	90.7	−0.5
Number of full-time faculty	5,534	+13.2	7,044	+27.3	8,567	+21.6	8,794	+2.6	9,531	+8.4	9,502	−0.3	9,800	+3.1	8,925	−8.9	9,111	+0.2
Number of part-time faculty	877	+29.5	1,338	+52.6	1,761	+31.6	1,919	+9.0	2,108	+9.8	2,254	+6.9	2,697	+19.7	2,845	+5.5	2,557	−10.1
Unfilled budgeted positions	327	−12.3	516	+57.8	414	−19.8	467	+12.8	403	−23.6	435	+7.9	407	−6.4	402	−1.2	471	+17.2
ASSOCIATE DEGREE PROGRAMS REPORTING																		
Number of Programs Reporting	473	+22.2	565	+19.4	602	+6.5	615	+2.2	647	+5.2	642	+0.8	745	+16.0	692	−7.1	689	−0.4
Percent of total programs	96.3	−2.9	98.4	+2.1	97.4	−1.0	93.7	−3.7	94.0	+0.3	88.4	−5.6	97.5	+9.1	87.9	−9.6	86.6	−1.3
Number of full-time faculty	3,588	+45.8	4,995	+39.2	5,680	+13.7	5,939	+4.6	6,036	+1.6	5,863	−2.9	6,606	+12.7	6,288	−4.8	5,686	−9.6
Number of part-time faculty	660	+121.5	1,210	+83.3	1,419	+17.3	1,622	+14.3	1,852	+14.2	2,146	+15.9	2,554	+19.0	2,395	−6.2	2,416	+0.9
Unfilled budgeted positions	188	+18.2	206	+9.6	201	−2.4	194	−3.5	194	0.0	178	−8.2	188	+5.6	138	−26.6	201	+45.7
DIPLOMA PROGRAMS REPORTING																		
Number of Programs Reporting	568	−17.9	491	−13.6	420	−14.5	347	−17.4	305	−12.1	281	−7.9	257	−8.5	218	−15.2	184	−15.6
Percent of total programs	96.8	−2.8	99.4	+1.6	98.1	−1.3	94.6	−3.5	91.6	−3.0	92.7	+1.1	88.9	−3.8	85.2	−3.7	88.0	+2.8
Number of full-time faculty	7,672	−6.5	7,165	−6.6	6,325	−11.7	5,484	−13.3	4,788	−12.7	4,377	−8.6	4,043	−7.6	2,847	−29.6	2,016	−29.2
Number of part-time faculty	1,342	−15.1	1,232	−8.2	941	−23.6	916	−2.7	821	−10.4	767	−6.6	771	+0.5	506	−34.4	399	−21.1
Unfilled budgeted positions	382	−34.5	261	−27.9	161	−38.3	139	−13.7	113	−18.7	107	−5.3	99	−7.5	71	−28.3	96	+35.2

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[1] As of January of each year indicated.

[2] Directors of programs not included in table.

[3] Includes master's programs and RN baccalaureate programs.

Number of Full-Time and Part-Time Faculty and Unfilled Positions (Table F-5)

- The estimates in this table are based on an extension of the data to a 100 percent return. This estimate provides a means of controlling for the differences in response rate in each biennial survey.
- The estimated numbers of full-time equivalent (FTE) faculty were calculated using the assumption that each part-time faculty member is equivalent to one-half of a full-time faculty member.
- Baccalaureate programs are the only type of program that have an estimated increase in numbers of both full-time and part-time faculty in 1988, although the increase is small..
- Of all FTE faculty in nursing education programs in 1988, 51.8 percent were in baccalaureate and higher degree programs. Thirty-three percent were in associate degree programs, and 11 percent were in diploma programs.
- The total number of estimated FTE faculty increased by 1 percent in baccalaureate and higher degree programs. The increase in number of programs was caused by an increase in generic baccalaureate programs.
- FTE faculty in associate degree programs showed a decrease for the first time in history. There was a 1.1 percent increase in the number of AD programs in 1988, accompanied by a 14.7 percent decrease in number of FTE faculty.
- In 1988, diploma programs experienced the highest rate of decline in number of programs in history (–18.4%), accompanied by a 31.4 percent decrease in full-time faculty.
- Graphic representation of the trends in the number of full-time and part-time faculty from 1962-1988 are shown in Figures F-2 to F-5.

Table F-5

ESTIMATED NUMBER OF FULL-TIME AND PART-TIME FACULTY AND UNFILLED POSITIONS AND PERCENT CHANGE, BY TYPE OF PROGRAM: 1972-1988[1]

ESTIMATED TOTAL NUMBER OF NURSE FACULTY AND UNFILLED BUDGETED POSITIONS BY TYPE OF PROGRAM[2]	1972		1974		1976		1978		1980		1982		1984		1986		1988	
	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change
ALL RN PROGRAMS[3]																		
Total Number of Programs	1,379	+0.8	1,391	+0.9	1,434	+3.1	1,464	+2.1	1,491	+1.8	1,547	+3.8	1,697	+9.7	1,654	−2.5	1,642	−0.7
Total estimated nurse-faculty (full-time and FTEs)[4]	18,848	+11.2	21,329	+13.2	23,322	+9.3	24,864	+6.6	24,567	−1.2	24,741	+0.7	25,580	+3.4	23,600	−7.7	22,058	−6.5
Total estimated full-time faculty	17,359	+10.8	19,416	+11.8	21,197	+9.2	22,395	+5.6	21,991	−1.8	21,867	−0.6	22,155	+1.3	20,361	−8.1	19,019	−6.6
Total estimated part-time faculty	2,978	+15.8	3,824	+28.4	4,248	+11.1	4,938	+16.2	5,153	+4.4	5,749	+11.6	6,849	+19.1	6,478	−5.4	6,077	−6.2
Est. unfilled budgeted positions	906	−17.0	994	+9.7	802	−19.3	909	+13.3	756	−15.7	797	+4.0	752	−5.6	689	−8.4	869	+26.1
BACCALAUREATE AND HIGHER DEGREE PROGRAMS[3]																		
Total Number of Programs	301	+6.4	323	+7.3	388	+20.1	441	+13.7	470	+6.6	518	+10.2	625	+20.7	611	−2.2	637	+4.3
Total estimated nurse-faculty (full-time and FTEs)[4]	6,157	+16.6	7,810	+26.8	9,634	+25.9	11,379	+15.7	11,489	+1.0	11,764	+2.4	12,347	+5.0	11,346	−8.1	11,455	+1.0
Total estimated full-time faculty	5,705	+15.5	7,132	+25.0	8,918	+25.0	10,260	+15.0	10,345	+0.8	10,517	+1.7	10,852	+3.2	9,786	−9.8	10,045	+2.6
Total estimated part-time faculty	904	+32.2	1,355	+49.9	1,832	+35.2	2,239	+22.2	2,288	+2.2	2,495	+9.0	2,987	+19.7	3,120	+4.5	2,819	−9.6
Est. unfilled budgeted positions	337	−10.6	522	+54.9	432	−17.2	555	+28.5	437	−21.3	481	+10.1	451	−6.2	441	−2.2	519	+17.7
ASSOCIATE DEGREE PROGRAMS																		
Total Number of Programs	491	+25.9	574	+16.9	618	+7.7	656	+6.1	688	+4.9	726	+5.5	783	+7.9	787	+0.5	796	+1.1
Total estimated nurse-faculty (full-time and FTEs)[4]	4,067	+54.6	5,690	+39.9	6,560	+15.3	7,200	+9.8	7,402	+2.8	7,843	+6.0	8,035	+2.4	8,516	+6.0	7,961	−6.5
Total estimated full-time faculty	3,725	+50.2	5,075	+36.2	5,831	+14.9	6,335	+8.6	6,418	+1.3	6,630	+3.3	6,775	+2.2	7,153	+5.6	6,566	−8.2
Total estimated part-time faculty	685	+128.3	1,229	+79.4	1,457	+18.6	1,730	+18.7	1,969	+134.8	2,427	+23.3	2,619	+7.9	2,725	+4.2	2,790	+2.4
Est. unfilled budgeted positions	195	+21.9	209	+7.2	206	−1.4	207	+0.5	206	−0.5	201	−2.4	193	−4.0	156	−19.2	232	+48.7
DIPLOMA PROGRAMS																		
Total Number of Programs	587	−15.5	494	−15.8	428	−13.4	367	−14.3	333	−9.3	303	−9.0	289	−4.6	256	−11.4	209	−18.4
Total estimated nurse-faculty (full-time and FTEs)[4]	8,624	−4.6	7,829	−9.2	6,928	−11.5	6,285	−9.3	5,676	−9.7	5,134	−9.5	4,798	−6.5	3,639	−24.2	2,518	−30.8
Total estimated full-time faculty	7,929	−3.8	7,209	−9.1	6,448	−10.6	5,800	−10.0	5,228	−9.9	4,720	−9.7	4,380	−7.2	3,342	−23.7	2,291	−31.4
Total estimated part-time faculty	1,389	−12.5	1,240	−10.7	959	−22.7	969	+1.0	896	−7.5	827	−7.7	835	+0.5	594	−28.9	453	−23.7
Est. unfilled budgeted positions	374	−32.6	263	−29.7	164	−37.6	147	−10.4	123	−16.3	115	−6.5	107	−7.0	83	−22.4	109	+31.3

[1] As of January of each year indicated. Estimates are based on an extension of the data to a 100 percent response rate to control for differences in response rate in each biennial survey.

[2] Directors of programs not included in table.

[3] Includes master's programs and RN baccalaureate programs.

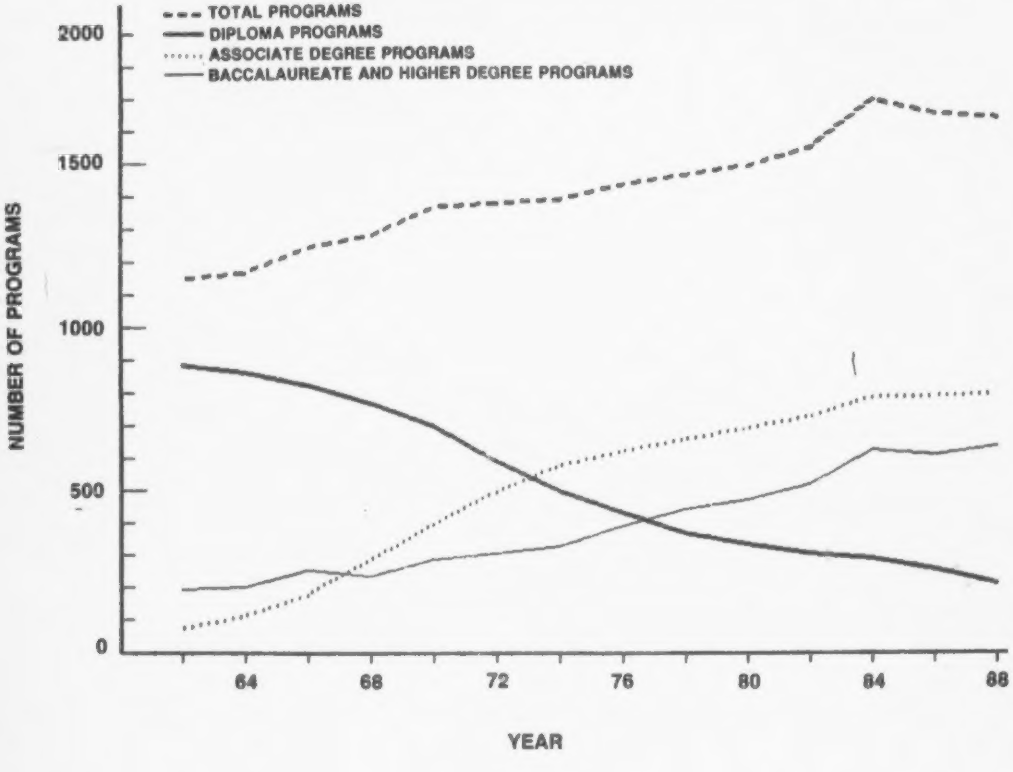
[4] Full-time equivalents (FTEs) are calculated by assuming each part-time faculty member is equivalent to one-half of a full-time faculty member.

Number of Nursing Education Programs, 1962-1988 (Figure F-1)

- The number of nursing education programs for each biennium from 1962 to 1988 is shown in a graphic representation in Figure F-1. (See also Table F-5.)
- The number of diploma programs has decreased every year since 1962, while the rate of decrease leveled off in the early 1980s, but is increasing again in the last four years.
- The number of associate degree programs has increased continually since 1962, with the most rapid rate of increase between 1962 and 1974. In the last four years the rate of increase has leveled off.
- There has been a steady increase in the number of reporting baccalaureate and higher degree programs since 1962, with a slight decrease in 1986 and a 4.3 percent increase in 1988 to the highest number ever.
- The total number of nursing programs was at its highest level in 1984 with 1,697 programs. Between 1984 and 1988 there has been a 3 percent drop in the number of programs. (See also Table F-5.)

Figure F-1

NUMBER OF NURSING EDUCATION PROGRAMS, BY PROGRAM TYPE



Total Number of Full-Time and Part-Time Faculty (Figure F-2)

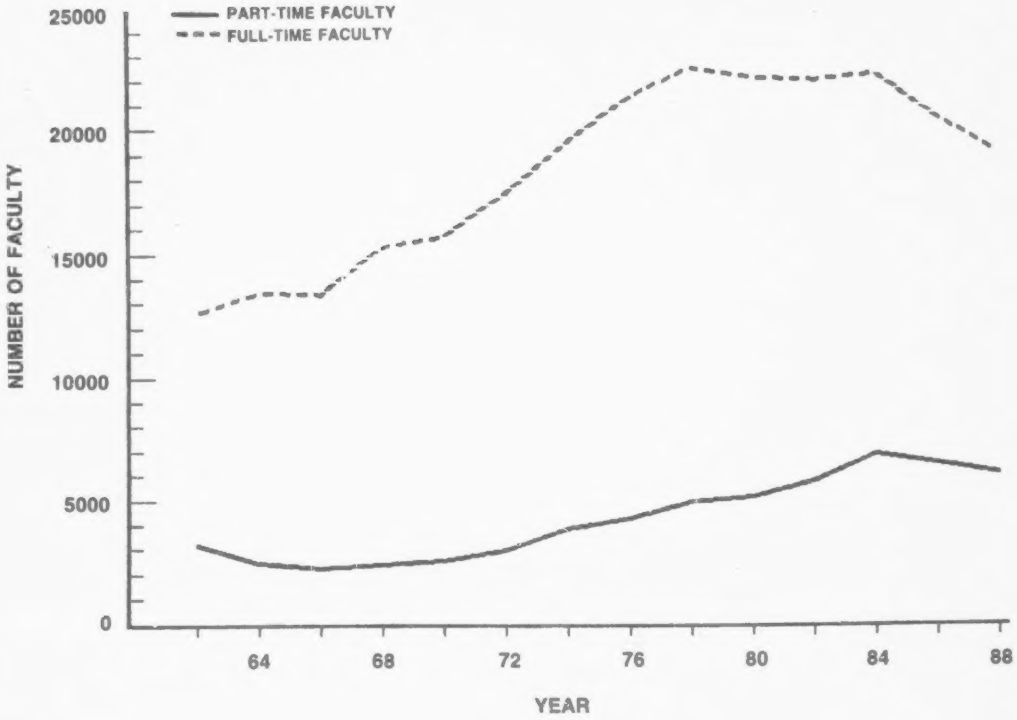
- This graph shows the estimated total number of full-time and part-time nurse faculty from 1962 to 1988 for all types of nursing education programs. Estimates are based upon an extension of the data to a 100 percent response rate.

- There was a continuous increase in the total number of full-time nurse faculty through 1978. In 1980-84 the number of full-time faculty leveled off. In 1988 there was a 6.3 percent decrease in full-time faculty.

- The number of part-time faculty increased steadily from 1970 to 1984, with the most rapid rate of increase taking place in 1972-74 and 1982-84. From 1984 to 1988 there was a decrease in the total number of part-time faculty.

Figure F-2

TOTAL NUMBER OF FULL-TIME AND PART-TIME FACULTY IN ALL NURSING EDUCATION PROGRAMS

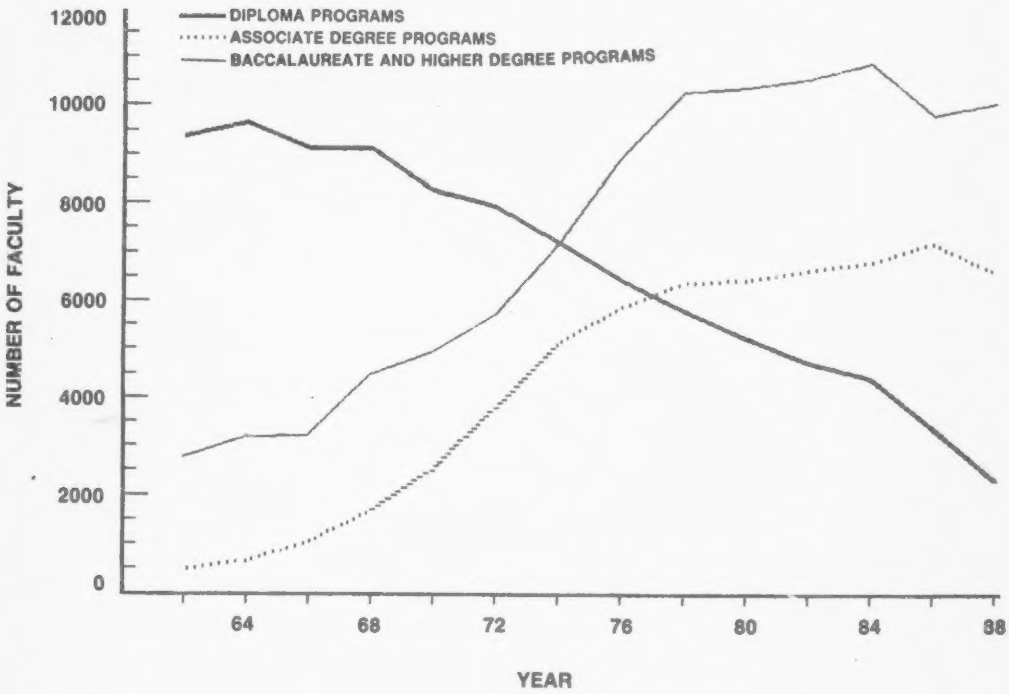


Number of Full-Time Faculty (Figure F-3)

- The estimated total number of full-time faculty for each type of program between 1962 and 1988 is shown in Figure F-3. (See Table F-3.)
- Since 1978, the number of programs has continued to increase steadily. In the same time period, the number of full-time faculty reported by responding programs leveled off and in 1988 showed a considerable decrease in associate degree and diploma programs.
- For baccalaureate and higher degree programs, the number of full-time faculty increased slightly (+ 1%).
- Associate degree programs reported a 17.9 percent decrease in full-time faculty members.
- For diploma programs, there was a 31.4 percent drop in the number of full-time faculty for a total decrease of 47.7 percent since 1984.

Figure F-3

NUMBER OF FULL-TIME FACULTY, BY PROGRAM TYPE



Part-Time Faculty by Program Type (Figure F-4)

- The estimated total number of part-time faculty for each type of program from 1962 to 1988 is presented in Figure F-4. This number is based on the estimate projected to a 100 percent response as reported in Table F-3.

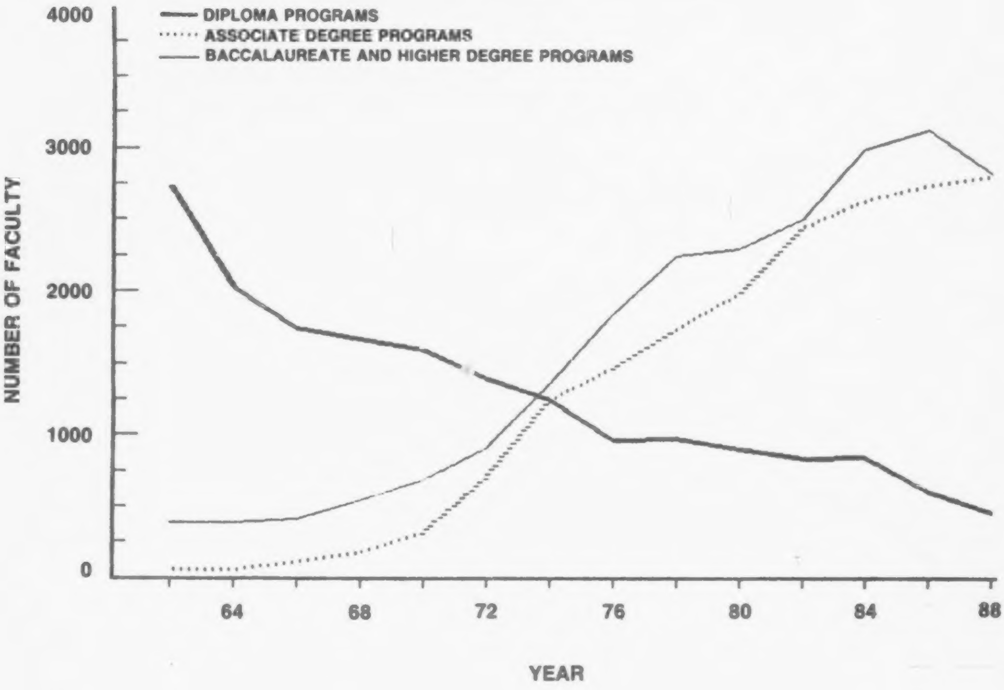
- The dramatic increase evidenced since 1966 in the number of part-time faculty in baccalaureate and higher degree programs has now been reversed. This increase had been much more rapid than the increase in number of programs, shown in Figure F-1. The number of programs has increased in this biennium, but part-time faculty have decreased, reflecting the decrease in baccalaureate enrollment.

- The number of part-time faculty reported by associate degree programs continues to increase, but at a slower rate.

- The number of part-time faculty in diploma programs continues to decrease.

Figure F-4

NUMBER OF PART-TIME FACULTY, BY PROGRAM TYPE



Ratio of Full-Time to Part-Time Faculty (Figure F-5)

- This graphic representation shows the ratio of full-time faculty to part-time faculty by type of program from 1962 to 1988.

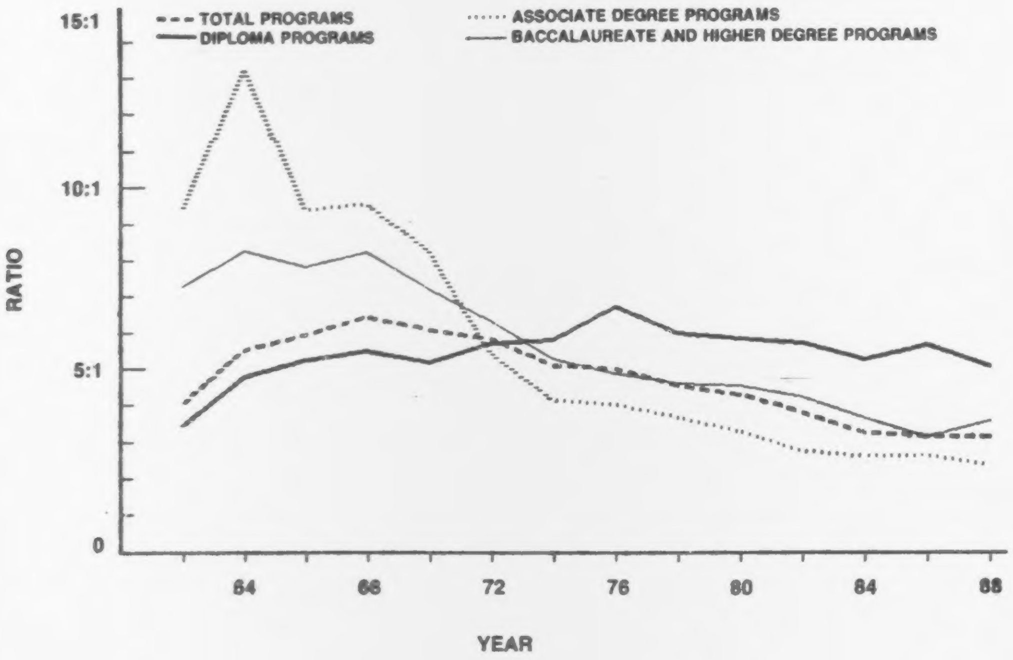
- The overall decrease in the ratio of full-time to part-time faculty has been greatest in associate degree programs. While the largest increase in part-time faculty occurred in the early 1970s, there has been an ongoing change in the ratio of full-time to part-time faculty, from nine full-time faculty members for every one part-time faculty member in 1966 to a two-to-one ratio in 1984. In 1986 and 1988 the ratio increase was five to two.

- Between 1966 and 1986, there has been a similar decrease in the ratio of full-time to part-time faculty in baccalaureate programs. In 1966, the ratio was nine to one. In 1986 and 1988 the ratio was close to three to one.

- Between 1966 and 1986, the ratio of full-time to part-time diploma faculty has remained relatively unchanged at approximately five to one, despite minor fluctuations in the mid-1970s.

Figure F-5

RATIO OF FULL-TIME TO PART-TIME FACULTY, BY PROGRAM TYPE



Nurse and Non-Nurse Faculty, by Type of Program and Region (Table F-6)

- Non-nurse faculty constituted 1.9 percent of all full-time faculty in 1988, and 9.3 percent of all part-time faculty.
- Diploma programs had the highest percentages of full-time (4.5%) and part-time (23.4%) non-nurse faculty.
- The percentage of non-nurse faculty in nursing education decreased in the last two years, except for full-time non-nurse faculty in the North Atlantic region which remained the same.
- With the exception of diploma programs, the percent of full-time non-nurse faculty ranges between 1.0 and 3.0 percent.
- Associate degree programs report the lowest percentage of part-time non-nurse faculty.

Table F-6

NUMBER AND PERCENT OF NURSE AND NON-NURSE FACULTY, BY TYPE OF PROGRAM AND REGION:1988

NLN REGION	FULL-TIME FACULTY						PART-TIME FACULTY					
	TOTAL		NURSE FACULTY		NON-NURSE FACULTY		TOTAL		NURSE FACULTY		NON-NURSE FACULTY	
	N	%	N	%	N	%	N	%	N	%	N	%
ALL REPORTING PROGRAMS												
All regions	17,146	100.0	16,813	98.1	333	1.9	5,920	100.0	5,372	90.7	548	9.3
North Atlantic	4,209	100.0	4,088	97.1	121	2.9	1,747	100.0	1,575	90.2	172	9.8
Midwestern	4,703	100.0	4,619	98.2	84	1.8	1,907	100.0	1,733	90.9	174	9.1
Southern	5,692	100.0	5,612	98.6	80	1.4	1,250	100.0	1,134	90.7	116	9.3
Western	2,542	100.0	2,494	98.1	48	1.9	1,016	100.0	930	91.5	86	8.5
BACCALAUREATE AND HIGHER DEGREE PROGRAMS												
All regions	9,256	100.0	9,111	98.4	145	1.6	2,854	100.0	2,557	89.6	297	10.4
North Atlantic	2,187	100.0	2,148	98.2	39	1.8	797	100.0	728	91.3	69	8.7
Midwestern	2,566	100.0	2,539	98.9	27	1.1	927	100.0	849	91.6	78	8.4
Southern	3,033	100.0	2,992	98.6	41	1.4	581	100.0	507	87.3	74	12.7
Western	1,470	100.0	1,432	97.4	38	2.6	549	100.0	473	86.2	76	13.8
ASSOCIATE DEGREE PROGRAMS												
All regions	5,780	100.0	5,686	98.4	94	1.6	2,545	100.0	2,416	94.9	129	5.1
North Atlantic	1,054	100.0	1,022	97.0	32	3.0	645	100.0	628	97.4	17	2.6
Midwestern	1,436	100.0	1,410	98.2	26	1.8	826	100.0	759	91.9	67	8.1
Southern	2,248	100.0	2,222	98.8	26	1.2	608	100.0	573	94.2	35	5.8
Western	1,042	100.0	1,032	99.0	10	1.0	466	100.0	456	97.9	10	2.1
DIPLOMA PROGRAMS												
All regions	2,110	100.0	2,016	95.5	94	4.5	521	100.0	399	76.6	122	23.4
North Atlantic	968	100.0	918	94.8	50	5.2	305	100.0	219	71.8	86	28.2
Midwestern	701	100.0	670	95.6	31	4.4	154	100.0	125	81.2	29	18.8
Southern	411	100.0	398	96.8	13	3.2	61	100.0	54	88.5	7	11.5
Western	30	100.0	30	100.0	0	0.0	1	100.0	1	100.0	0	0.0

Mean Numbers of Faculty per Program (Table F-7)

- The mean number of full-time faculty per program has continued to decline since the 1980 survey. (See Figures F-6 and F-7 for a graphic representation of trends.)
- In 1988, the decline in mean number of full-time faculty continued in baccalaureate and higher degree programs—to 15.8 faculty per program. The mean number of full-time faculty in associate degree programs decreased to 8.3, the lowest since 1972.
- Since 1968, associate degree programs experienced an increase in mean number of part-time faculty—from 2.6 to 3.5 with a stabilization at 3.5 over the last two years.
- The mean number of both full-time and part-time faculty in diploma programs has decreased since 1982.

Table F-7
MEAN NUMBER OF FULL-TIME AND PART-TIME NURSE FACULTY AND UNFILLED POSITIONS PER PROGRAM: 1970-1988

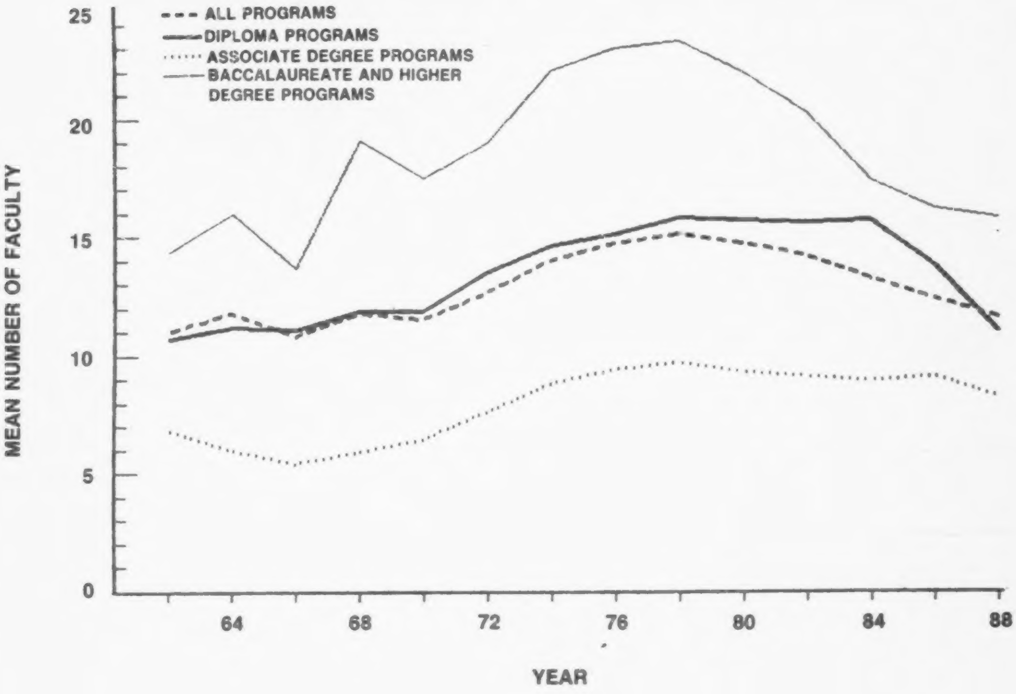
STATUS OF FACULTY	MEAN NUMBER OF FACULTY PER PROGRAM									
	1970	1972	1974	1976	1978	1980	1982	1984	1986	1988
ALL REPORTING PROGRAMS										
Full-time faculty	11.5	12.6	14.0	14.7	15.1	14.7	14.2	13.2	12.4	11.6
Part-time faculty	1.9	2.2	2.7	3.0	3.3	3.5	3.7	4.1	3.9	3.7
Unfilled positions	0.8	0.7	0.6	0.6	0.6	0.5	0.5	0.4	0.4	0.5
BACCALAUREATE AND HIGHER DEGREE PROGRAMS										
Full-time faculty	17.5	19.0	22.1	23.0	23.3	22.0	20.3	17.4	16.2	15.8
Part-time faculty	2.4	3.0	4.2	4.7	5.1	4.9	4.8	4.7	5.2	4.5
Unfilled positions	1.3	1.1	1.6	1.2	1.2	0.9	0.9	0.7	0.7	0.8
ASSOCIATE DEGREE PROGRAMS										
Full-time faculty	6.4	7.6	8.8	9.4	9.7	9.3	9.1	8.9	9.1	8.3
Part-time faculty	0.8	1.4	2.1	2.4	2.6	2.9	3.3	3.8	3.5	3.5
Unfilled positions	0.6	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.2	0.3
DIPLOMA PROGRAMS										
Full-time faculty	11.9	13.5	14.6	15.1	15.8	15.7	15.6	15.7	13.8	11.0
Part-time faculty	2.3	2.4	2.5	2.2	2.6	2.7	2.7	3.0	2.3	2.2
Unfilled positions	0.8	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.5

Mean Number of Full-Time Faculty by Type of Program (Figure F-6)

- Figure F-6 presents the trends in the average (mean) number of full-time faculty per program for each program type from 1962 to 1988. (See Table F-7.)
- All program types, except baccalaureate and higher degree programs, remained relatively constant in mean numbers of full-time faculty. (The baccalaureate programs for registered nurses only faculty are included with generic baccalaureate program faculty.)
- Despite a steady decline since 1978, baccalaureate and higher degree programs have consistently had the largest average number of full-time faculty.
- Diploma programs show a decrease in average number of full-time faculty paralleling the decrease in number of programs.

Figure F-6

MEAN NUMBER OF FULL-TIME FACULTY, BY PROGRAM TYPE

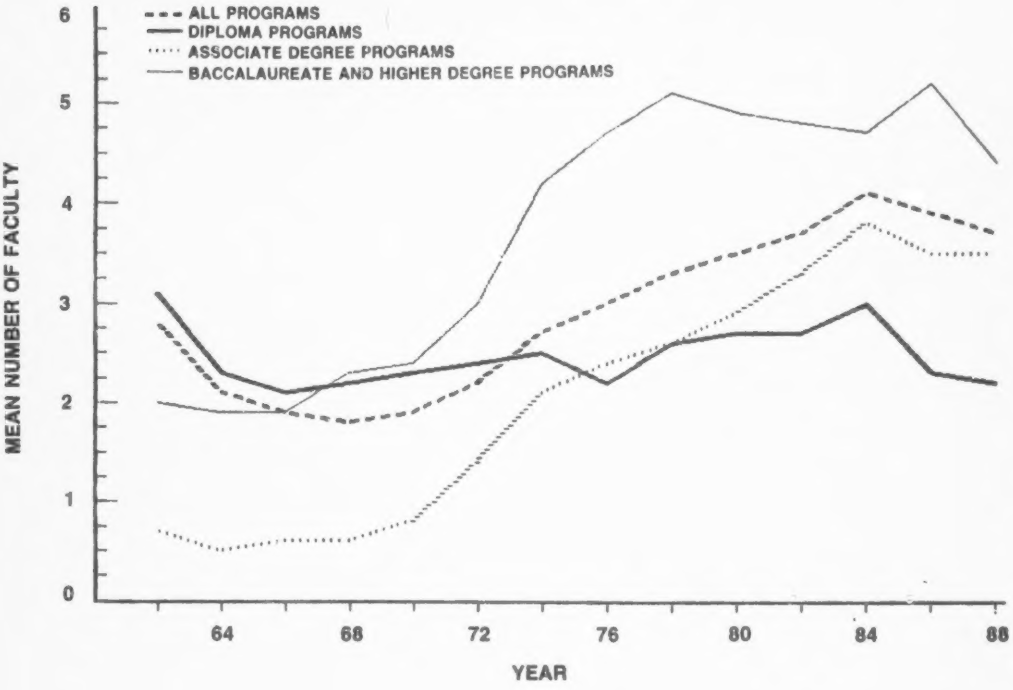


Mean Number of Part-Time Faculty by Type of Program (Figure F-7)

- Figure F-7 presents the trends in the average (mean) number of part-time faculty for each program type from 1962 to 1988. (See Table F-7.)
- For baccalaureate and higher degree programs, most of the growth in part-time faculty occurred in the early to mid-1970s. It leveled off in the 1980s, with a decrease in 1988.
- In associate degree programs, there was a gradual but continuous increase in the average number of part-time faculty from 1970 until 1986, when there was a decrease and a leveling out in 1988.
- The average number of part-time faculty in diploma programs remained fairly stable until 1984 when there was a decrease.

Figure F-7

MEAN NUMBER OF PART-TIME FACULTY, BY PROGRAM TYPE



Unfilled Faculty Positions by Region (Table F-8)

- Since 1976, the number of unfilled positions per 100 faculty members had remained fairly stable over all regions. However, in 1988 there was an increase in reported unfilled positions.
- Percentages derived from the data show that the majority of unfilled positions were found in baccalaureate and higher degree programs (See also Tables F-4 and F-5).
- The largest portion of unfilled positions for all programs was found in the Southern region (40.8%).
- There was an increase in the number of unfilled positions in 1988 in all regions.

Table F-8
UNFILLED NURSE FACULTY BUDGETED POSITIONS PER 100 FULL-TIME FACULTY, BY NLN REGION: 1978-1988

NLN REGION BY YEAR	TOTAL FULL-TIME FACULTY REPORTED	TOTAL BUDGETED VACANCIES REPORTED	VACANCIES PER 100 FULL-TIME FACULTY
All Regions			
1978	20,217	800	4.0
1980	20,355	710	3.5
1982	19,742	720	3.6
1984	20,449	694	3.4
1986	18,374	611	3.3
1988	16,821	768	4.6
North Atlantic			
1978	5,498	164	3.0
1980	5,581	117	2.1
1982	5,333	140	2.6
1984	5,197	106	2.0
1986	5,146	96	1.9
1988	4,083	132	3.2
Midwest			
1978	6,245	260	4.2
1980	6,048	220	3.6
1982	5,979	197	3.3
1984	6,288	201	3.2
1986	5,072	182	3.6
1988	4,638	212	4.6
Southern			
1978	5,947	311	5.2
1980	6,209	286	4.6
1982	6,060	306	5.0
1984	6,478	293	4.5
1986	5,731	235	4.1
1988	5,606	313	5.6
Western			
1978	2,527	65	2.6
1980	2,517	87	3.5
1982	2,370	77	3.2
1984	2,564	94	3.7
1986	2,425	98	4.0
1988	2,494	111	4.5

Assignment of Full-Time Faculty to Baccalaureate or Graduate Teaching (Table F-9)

- In baccalaureate and higher degree programs with graduate programs, 20.4 percent of the faculty teach exclusively at the graduate level, 31.1 percent teach at both undergraduate and graduate levels, and 48.6 percent teach at the undergraduate level only.
- In the North Atlantic and Southern regions, a similar percentage of faculty teach at the graduate level only as at both graduate and undergraduate levels. In the Western region, 33.7 percent of the faculty teach at both levels, and 17.2 percent teach at the graduate level only. In contrast, in the Midwestern region, 16 percent of the faculty teach at the graduate level only, and 35.8 percent teach at both levels.
- There was a slight decrease from the previous year in the percentage of faculty teaching in graduate programs and a slight increase in the percentage of faculty teaching only at the undergraduate level.
- The Midwestern and Western regions have the lowest percentage of faculty who teach exclusively in the graduate program.

Table F-9

ASSIGNMENT OF FULL-TIME FACULTY TO BACCALAUREATE OR GRADUATE TEACHING, BY REGION: 1978–1988

NLN REGION BY YEAR	ASSIGNMENT OF FULL-TIME FACULTY							
	Total Full-Time Faculty		Exclusively to Baccalaureate Teaching		Exclusively to Graduate Teaching		Both Baccalaureate and Graduate Teaching	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Regions								
1978	4,344	100.0	2,744	63.2	890	20.5	710	16.3
1980	4,965	100.0	3,103	62.5	1,069	21.5	793	16.0
1982	4,969	100.0	3,044	61.2	1,042	21.0	883	17.8
1984	4,122	100.0	2,615	63.4	730	17.7	777	18.9
1986	4,020	100.0	1,850	46.0	1,064	26.5	1,106	27.5
1988	4,886	100.0	2,373	48.6	995	20.4	1,518	31.1
North Atlantic								
1978	989	100.0	594	60.1	273	27.6	122	12.3
1980	1,083	100.0	631	58.3	335	30.9	117	10.8
1982	1,121	100.0	590	52.6	309	27.6	222	19.8
1984	915	100.0	595	65.0	170	18.6	150	16.4
1986	835	100.0	381	45.6	228	27.3	226	27.1
1988	967	100.0	469	48.5	241	24.9	257	26.6
Midwestern								
1978	1,174	100.0	790	67.3	237	20.2	147	12.5
1980	1,510	100.0	927	61.4	287	19.0	296	19.6
1982	1,483	100.0	975	65.7	302	20.4	206	13.9
1984	1,132	100.0	800	70.7	167	14.8	165	14.6
1986	1,256	100.0	611	48.6	415	33.0	230	18.7
1988	1,401	100.0	673	48.0	227	16.2	501	35.8
Southern								
1978	1,403	100.0	997	71.1	228	16.2	178	12.7
1980	1,816	100.0	1,219	67.1	314	17.3	283	15.6
1982	1,783	100.0	1,142	64.1	352	19.7	289	16.2
1984	1,477	100.0	879	59.5	277	18.8	321	21.7
1986	1,273	100.0	601	47.2	323	25.4	349	27.4
1988	1,681	100.0	820	48.8	383	22.8	478	28.4
Western								
1978	778	100.0	363	46.7	152	19.5	263	33.8
1980	556	100.0	326	58.6	133	23.9	97	17.5
1982	582	100.0	337	57.9	79	13.6	166	28.5
1984	598	100.0	341	57.0	116	19.4	141	23.6
1986	656	100.0	257	39.2	98	14.9	301	45.9
1988	837	100.0	411	49.1	144	17.2	282	33.7

Highest Earned Credentials

Highest Earned Credentials of Administrators, 1970-1988 (Table F-10)

- The term "administrator" refers to the chief administrative officer of a nursing program, who may have the title of dean, director, or chairperson.

- The data for the highest earned credential of administrators in each type of nursing education program in 1988 are represented graphically in Figure F-8.

- The number and percentage of administrators of nursing programs with earned doctorates continue to increase. Forty-three percent of all administrators reported possessing an earned doctorate in 1988. Seventy-eight percent of administrators of baccalaureate and higher degree programs hold doctorates.

- The number and percentage of nursing education administrators with neither a doctorate nor a master's degree has increased slightly for associate degree and diploma programs. The number of administrators without a graduate degree is now 0.7 percent for baccalaureate and higher degree programs. These slight differences probably represent different responding programs in each survey.

Table F-10

HIGHEST EARNED CREDENTIAL OF NURSING EDUCATION ADMINISTRATORS, BY TYPE OF PROGRAM: 1970-1988

YEAR	TOTAL ADMINISTRATORS REPORTED		HIGHEST EARNED CREDENTIAL					
			DOCTORATE		MASTER'S		OTHER	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
ALL REPORTING PROGRAMS								
1970	1,287	100.0	155	12.0	1,010	78.5	122	9.5
1972	1,260	100.0	171	13.6	997	79.1	92	7.3
1974	1,310	100.0	203	15.5	1,032	78.8	75	5.7
1976	1,317	100.0	252	19.2	1,001	76.0	63	4.8
1978	1,270	100.0	297	23.4	939	73.9	34	2.7
1980	1,344	100.0	355	26.4	960	71.4	29	2.2
1982	1,348	100.0	432	32.1	898	66.6	18	1.3
1984	1,499	100.0	524	35.0	937	62.5	38	2.5
1986	1,439	100.0	601	41.8	821	57.1	17	0.11
1988	1,370	100.0	589	43.0	767	56.0	14	1.0
BACCALAUREATE AND HIGHER DEGREE PROGRAMS								
1970	255	100.0	113	44.3	141	55.3	1	0.4
1972	274	100.0	142	51.8	131	47.8	1	0.4
1974	301	100.0	166	55.2	134	44.5	1	0.3
1976	347	100.0	205	59.1	140	40.3	2	0.6
1978	343	100.0	239	69.7	102	29.7	2	0.6
1980	414	100.0	269	65.0	144	34.8	1	0.2
1982	453	100.0	321	70.9	132	29.1	0	0.0
1984	535	100.0	381	71.2	154	28.8	0	0.0
1986	547	100.0	423	77.3	122	22.3	2	0.4
1988	540	100.0	422	78.1	114	21.1	4	0.7
ASSOCIATE DEGREE PROGRAMS								
1970	382	100.0	26	6.8	344	90.1	12	3.1
1972	441	100.0	19	4.3	402	91.2	20	4.5
1974	532	100.0	29	5.5	481	90.4	22	4.1
1976	572	100.0	40	7.0	505	88.3	27	4.7
1978	590	100.0	50	8.5	526	89.1	14	2.4
1980	634	100.0	77	12.2	539	85.0	18	2.8
1982	620	100.0	99	16.0	511	82.4	10	1.6
1984	712	100.0	128	18.0	552	77.5	32	4.5
1986	678	100.0	154	22.7	514	75.8	10	1.3
1988	661	100.0	147	22.2	504	76.2	10	1.5
DIPLOMA PROGRAMS								
1970	650	100.0	16	2.5	525	80.8	109	16.4
1972	545	100.0	10	1.8	464	85.2	71	13.0
1974	477	100.0	8	1.7	417	87.4	52	10.9
1976	398	100.0	8	2.0	356	89.5	34	8.5
1978	337	100.0	8	2.4	311	92.3	18	5.3
1980	296	100.0	9	3.0	277	93.6	10	3.4
1982	275	100.0	12	4.4	255	92.7	8	2.9
1984	252	100.0	15	6.0	231	91.7	6	2.4
1986	214	100.0	24	11.2	185	86.4	5	2.3
1988	169	100.0	20	11.8	149	88.2	0	0.0

Highest Earned Credentials of Administrators: 1988 (Figure F-8)

- These pie graphs show the percentages of chief administrators of each type of nursing education program holding doctoral, master's, or baccalaureate degrees as their highest earned credential. These data are presented and discussed in Table F-10.

- The graphs illustrate that a significantly greater percentage of doctorally prepared administrators are found in baccalaureate and higher degree programs.

- The percentage of administrators with a doctorate as their highest earned credential is 78.1 percent in baccalaureate and higher degree programs, 22.2 percent in associate degree programs, and 11.8 percent in diploma programs.

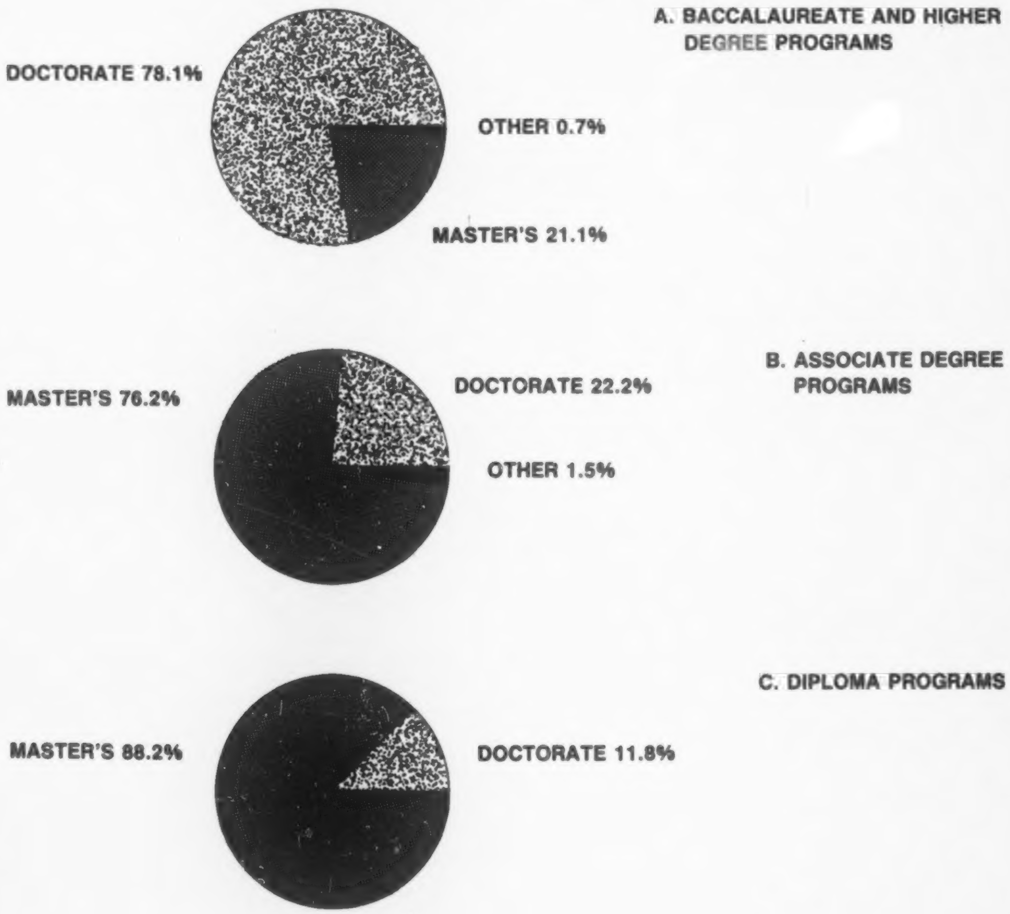


Figure F-8

HIGHEST EARNED CREDENTIALS OF ADMINISTRATORS, BY PROGRAM TYPE: 1988

Highest Earned Credentials of Full-Time Faculty by Program Type, 1970-1988 (Table F-11)

- There has been a consistent increase in the number of full-time faculty with doctoral and master's degrees since 1962. (The table excludes chief administrators.)
- Forty-eight percent of the master's prepared faculty are teaching in baccalaureate and higher degree programs.
- The number of doctorally prepared full-time faculty reported in baccalaureate and higher degree programs has increased from 992 in 1978 to 2921 in 1988—a greater than threefold increase over the ten-year period. At present, 99 percent of full-time faculty in baccalaureate and higher degree programs have a graduate degree. This figure includes 66.6 percent with a master's degree and 32.2 percent with a doctorate as highest earned credential.
- The percentage of full-time doctorally prepared faculty teaching in associate degree programs has increased to 3.6 percent in 1988. For the same time period, the percentage of master's prepared faculty continued to increase to 83.8 percent.
- The number of full-time faculty in diploma education with doctorates decreased in the last two years, now numbering 21, while the percentage of diploma faculty with a master's degree has increased steadily, reaching 76 percent in 1988. Diploma faculty without graduate degrees continued to decline.
- These data are represented graphically in Figure F-9.
- Information on the percentage of nursing vs. non-nursing degrees is included in Table F-17.

Table F-11

HIGHEST EARNED CREDENTIAL OF FULL-TIME NURSE FACULTY, BY TYPE OF PROGRAM: 1970-1988[1]

YEAR	TOTAL FACULTY REPORTED		HIGHEST EARNED CREDENTIAL							
			DOCTORATE		MASTER'S		BACCALAUREATE		OTHER	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
ALL REPORTING PROGRAMS										
1970	15,555	100.0	334	2.1	6,781	43.6	6,372	41.0	2,068	13.3
1972	16,794	100.0	445	2.6	8,139	48.5	6,589	39.2	1,621	9.7
1974	19,204	100.0	682	3.6	9,985	52.0	7,110	37.0	1,427	7.4
1976	20,572	100.0	887	4.3	11,687	56.8	6,975	33.9	1,023	5.0
1978	20,217	100.0	1,062	5.3	12,637	62.5	5,865	29.0	653	3.2
1980	20,355	100.0	1,418	7.0	13,826	67.9	4,687	23.0	424	2.1
1982	19,742	100.0	1,657	8.4	14,085	71.3	3,751	19.0	249	1.3
1984	20,221	100.0	2,143	10.6	14,797	73.2	3,104	15.4	177	0.9
1986	.7,978	100.0	2,404	13.0	13,480	75.0	1,969	10.7	125	0.6
1988	17,083	100.0	3,160	18.5	12,605	73.8	1,254	7.3	64	0.4
BACCALAUREATE AND HIGHER DEGREE										
1970	4,887	100.0	305	6.2	3,864	79.1	692	14.2	26	0.5
1972	5,534	100.0	408	7.4	4,530	81.9	594	10.7	2	0.0
1974	7,044	100.0	621	8.8	5,578	79.2	833	11.8	12	0.2
1976	8,567	100.0	817	9.5	6,737	78.7	984	11.5	29	0.3
1978	8,794	100.0	992	11.3	7,072	80.4	717	8.2	13	0.1
1980	9,531	100.0	1,278	13.4	7,763	81.4	485	5.1	5	0.1
1982	9,502	100.0	1,533	16.1	7,647	80.5	321	3.4	1	0.0
1984	9,827	100.0	1,967	20.0	7,594	77.3	259	2.6	6	0.1
1986	9,184	100.0	2,176	23.7	6,844	74.5	164	1.8	0	0.0
1988	9,074	100.0	2,921	32.2	6,045	66.6	103	1.1	5	0.1
ASSOCIATE DEGREE PROGRAMS										
1970	2,461	100.0	10	0.4	1,444	58.7	947	38.5	60	2.4
1972	3,588	100.0	25	0.7	2,077	57.9	1,401	39.0	85	2.4
1974	4,995	100.0	46	0.9	2,824	56.5	1,962	39.3	163	3.3
1976	5,680	100.0	57	1.0	3,304	58.2	2,147	37.8	172	3.0
1978	5,939	100.0	56	0.9	3,795	63.9	1,927	32.5	161	2.7
1980	6,036	100.0	128	2.1	4,216	69.8	1.593	26.4	99	1.7
1982	5,863	100.0	108	1.8	4,394	74.9	1,295	22.1	66	1.2
1984	6,452	100.0	162	2.5	4,977	77.1	1,238	19.2	75	1.2
1986	5,907	100.0	200	3.4	4,729	80.1	929	15.7	52	0.9
1988	5,986	100.0	218	3.6	5,017	83.8	712	11.9	39	0.7
DIPLOMA PROGRAMS										
1970	8,207	100.0	19	0.2	1,473	17.9	4,733	57.7	1,982	24.2
1972	7,672	100.0	12	0.1	1,532	20.0	4,594	59.9	1,534	20.0
1974	7,165	100.0	15	0.2	1,583	22.1	4,315	60.2	1,252	17.5
1976	6,325	100.0	13	0.2	1,646	26.0	3,844	60.8	822	13.0
1978	5,484	100.0	14	0.3	1,770	32.3	3,221	58.7	479	8.7
1980	4,788	100.0	12	0.2	1,847	38.6	2,609	54.5	320	6.7
1982	4,377	100.0	16	0.3	2,044	46.7	2,135	48.8	182	4.2
1984	3,942	100.0	14	0.4	2,226	56.5	1,606	40.7	96	2.5
1986	2,884	100.0	28	1.0	1,907	66.1	876	30.4	73	2.5
1988	2,023	100.0	21	1.0	1,543	76.3	439	21.7	20	1.0

[1] Chief administrator of programs not included in this table.

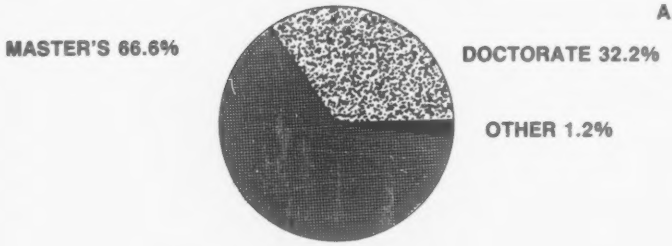
Highest Earned Credentials of Full-Time Faculty by Program Type, 1988 (Figure F-9)

- These pie graphs show the percentages of highest credential of full-time faculty in each type of nursing education program. These data are presented and discussed in Table F-11.
- The percentage of full-time faculty with graduate degrees is 99 percent in baccalaureate and higher degree programs, 98.8 percent in associate degree programs, and 77.3 percent in diploma programs.

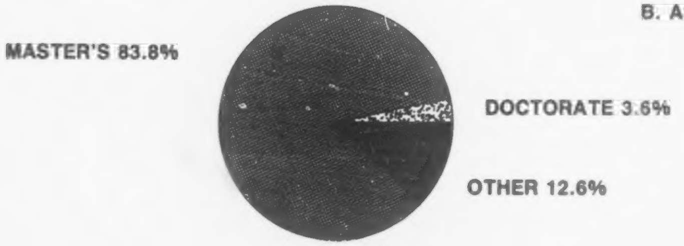
Figure F-9

HIGHEST EARNED CREDENTIALS OF FULL-TIME FACULTY, BY PROGRAM TYPE: 1988

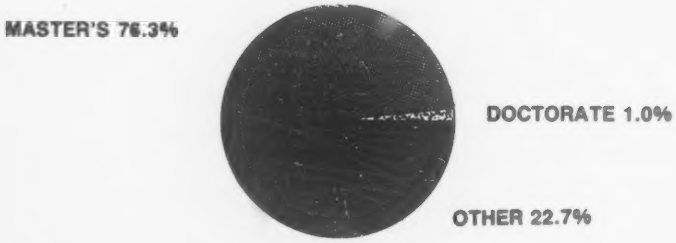
A. BACCALAUREATE AND HIGHER DEGREE PROGRAMS



B. ASSOCIATE DEGREE PROGRAMS



C. DIPLOMA PROGRAMS



Credentials of Part-Time Faculty by Program Type, 1970-1988 (Table F-12)

- Between 1984 and 1988, there was doubling of the percentage of all part-time faculty with doctoral degrees from 3.2 to 6.3 percent.
- In baccalaureate and higher degree programs, 91.4 percent of the part-time faculty had graduate preparation. This figure included 10.1 percent with doctorates and 81.3 percent with master's degrees as their highest earned credential.
- There has been a continuing decrease in the percentage of part-time faculty in baccalaureate and higher degree programs with only a baccalaureate degree. Between 1976 and 1988, this percentage dropped from 31.1 percent to 8.3 percent.
- Associate degree programs experienced a continued increase in the percentage of master's prepared faculty, which increased from 39.2 percent in 1984 to 47.5 percent in 1986. In 1988 the percent leveled off at 46.8 percent.
- Fifty percent of part-time faculty teaching in associate degree programs have a graduate degree. This figure includes 3 percent with doctorates; the remaining 46.8 percent had master's degrees as their highest earned credential.
- Of the part-time faculty in diploma programs, 59.7 percent had graduate preparation, with 1.5 percent holding doctoral degrees. Faculty with baccalaureate degrees no longer constitute the majority of part-time diploma faculty.
- Information on the percent of nursing vs. non-nursing degrees is included in Table F-18.

Table F-12
HIGHEST EARNED CREDENTIAL OF PART-TIME NURSE FACULTY, BY TYPE OF PROGRAM: 1970-1988

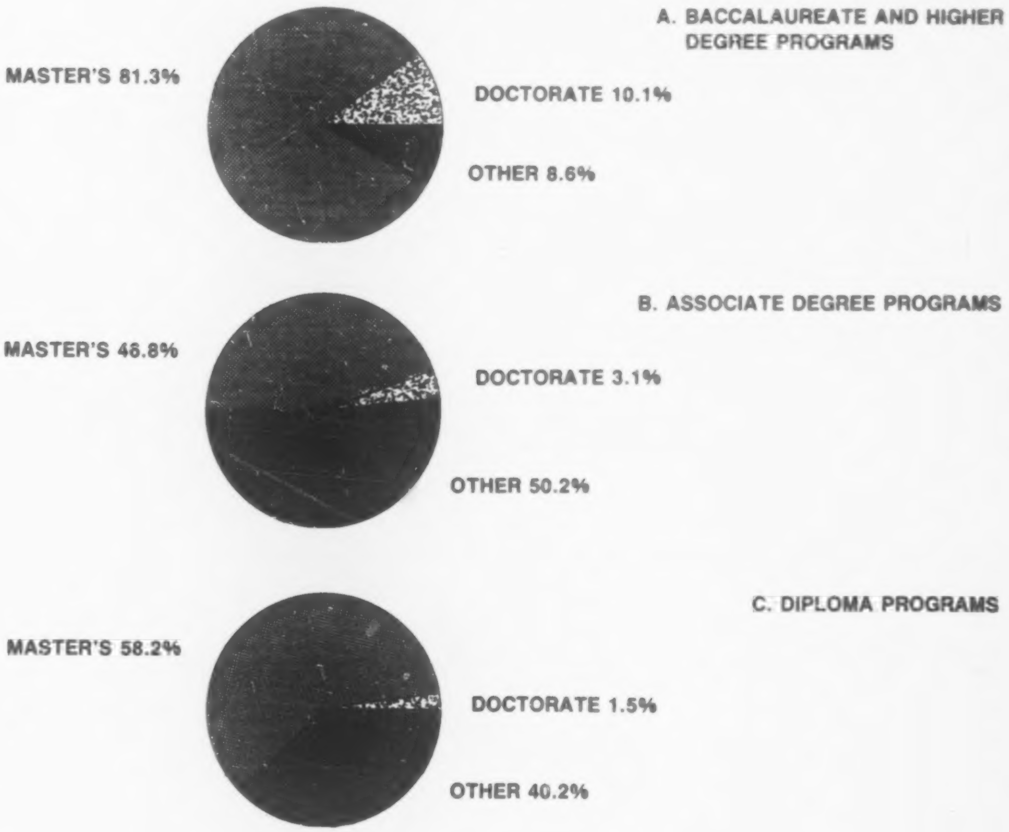
YEAR	TOTAL PART-TIME FACULTY REPORTED		HIGHEST EARNED CREDENTIAL							
			DOCTORATE		MASTER'S		BACCALAUREATE		OTHER	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
ALL REPORTING PROGRAMS										
1970	2,556	100.0	45	1.8	842	32.9	1,124	44.0	545	21.3
1972	2,879	100.0	73	2.5	1,054	36.6	1,343	46.7	409	14.2
1974	3,780	100.0	104	2.8	1,381	36.5	1,815	48.0	480	12.7
1976	4,121	100.0	116	2.8	1,626	39.4	1,952	47.4	427	10.4
1978	4,457	100.0	131	2.9	1,975	44.3	2,043	45.9	308	6.9
1980	4,781	100.0	114	2.4	2,379	49.8	1,977	41.3	311	6.5
1982	5,167	100.0	189	3.7	2,673	51.7	2,089	40.4	216	4.2
1984	6,295	100.0	200	3.2	3,488	55.4	2,355	37.4	252	4.1
1986	5,818	100.0	330	5.7	3,728	64.1	1,645	28.3	115	2.0
1988	5,450	100.0	346	6.3	3,500	64.2	1,481	27.2	123	2.3
BACCALAUREATE AND HIGHER DEGREE PROGRAMS										
1970	677	100.0	22	3.2	440	65.0	197	29.1	18	2.7
1972	877	100.0	39	4.5	566	64.5	265	30.3	6	0.7
1974	1,338	100.0	76	5.7	819	61.2	431	32.2	12	0.9
1976	1,761	100.0	91	5.2	1,098	62.4	548	31.1	24	1.3
1978	1,919	100.0	109	5.7	1,278	66.6	522	27.2	10	0.5
1980	2,108	100.0	96	4.6	1,589	75.4	418	19.8	4	0.2
1982	2,254	100.0	177	7.9	1,672	74.2	404	17.9	1	0.0
1984	2,726	100.0	170	6.2	2,138	78.4	416	15.3	2	0.0
1986	2,962	100.0	282	9.5	2,379	80.3	299	10.1	2	0.1
1988	2,622	100.0	265	10.1	2,132	81.3	218	8.3	7	0.3
ASSOCIATE DEGREE PROGRAMS										
1970	298	100.0	1	0.3	97	32.6	170	57.0	30	10.1
1972	660	100.0	3	0.5	207	31.4	389	58.9	61	9.2
1974	1,210	100.0	17	1.4	357	29.5	685	56.6	151	12.5
1976	1,419	100.0	18	1.3	357	25.2	874	61.6	170	11.9
1978	1,622	100.0	8	0.5	486	30.0	989	61.0	139	7.5
1980	1,852	100.0	12	0.7	560	31.3	1,082	58.4	178	9.6
1982	2,146	100.0	7	0.3	768	35.8	1,240	57.8	131	6.1
1984	2,821	100.0	24	0.9	1,106	39.2	1,495	53.0	196	6.9
1986	2,317	100.0	39	1.7	1,101	47.5	1,093	47.2	84	3.6
1988	2,433	100.0	75	3.1	1,138	46.8	1,114	45.8	106	4.4
DIPLOMA PROGRAMS										
1970	1,581	100.0	17	1.0	305	19.3	757	47.9	497	31.4
1972	1,342	100.0	31	2.3	281	20.9	688	51.3	342	25.5
1974	1,232	100.0	11	0.9	205	16.7	699	56.7	317	26.7
1976	941	100.0	7	0.7	171	18.2	530	56.3	233	24.8
1978	916	100.0	14	1.5	211	23.0	532	58.1	159	17.4
1980	821	100.0	6	0.7	210	25.6	477	58.1	128	15.2
1982	767	100.0	5	0.7	233	30.4	445	58.0	84	10.9
1984	748	100.0	6	0.8	244	32.6	444	59.4	54	7.2
1986	539	100.0	9	1.7	248	46.0	[illegible]	46.9	29	5.4
1988	395	100.0	6	1.5	230	58.2	149	37.7	10	2.5

Highest Earned Credentials of Part-Time Faculty by Program Type, 1988 (Figure F-10)

- These pie graphs show the percentages of part-time faculty in each type of nursing education program who have a doctorate, master's degree and other highest credential. These data are presented in Table F-12.
- The percentage of part-time faculty with graduate degrees is 70.5 percent across all reporting programs.
- In baccalaureate and higher degree programs 91.4 percent of part-time faculty have graduate degrees.
- Associate degree programs have the lowest percent of part-time faculty with graduate degrees (49.9%).

Figure F-10

HIGHEST EARNED CREDENTIALS OF PART-TIME FACULTY, BY PROGRAM TYPE: 1988



Credentials of Full-Time Faculty by Region, 1972-1988 (Table F-13)

- All NLN regions showed a steady increase in the percentage of full-time faculty holding a doctoral degree.
- The North Atlantic and Midwestern regions had the greatest increases in the last two years of faculty prepared at the doctoral level (5.0% and 6.9%, respectively).
- The West had the highest percentage of faculty with doctorates (23.8%), while the Midwest had the lowest (16.7%).
- The Midwest had the highest percentage of faculty without a graduate degree (11.9%), while the West had the lowest (5.6%).

Table F-13
HIGHEST EARNED CREDENTIAL OF FULL-TIME FACULTY, BY NLN REGION: 1972-1988

YEAR BY NLN REGION	TOTAL FULL-TIME FACULTY REPORTED		HIGHEST EARNED CREDENTIAL							
			Doctorate		Master's		Baccalaureate		Other	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
North Atlantic										
1972	5,948	100.0	163	2.7	2,816	47.3	2,313	38.9	656	11.1
1974	6,232	100.0	216	3.5	3,205	51.4	2,282	36.6	529	8.5
1976	6,000	100.0	249	4.2	3,420	57.0	1,987	33.1	344	5.6
1978	5,498	100.0	273	5.0	3,508	63.8	1,514	27.5	203	3.7
1980	5,581	100.0	428	7.7	3,806	68.2	1,205	21.6	142	2.5
1982	5,333	100.0	493	9.2	3,798	71.2	953	17.9	89	1.7
1984	5,128	100.0	535	10.4	3,763	73.4	779	15.2	51	1.0
1986	4,980	100.0	705	14.2	3,731	74.9	513	10.3	31	0.6
1988	4,083	100.0	785	19.2	3,018	73.9	269	6.6	11	0.3
Midwestern										
1972	4,961	100.0	106	2.1	2,116	42.7	2,155	43.4	584	11.8
1974	5,693	100.0	176	3.1	2,596	45.6	2,403	42.2	518	9.1
1976	6,146	100.0	231	3.8	3,044	49.5	2,496	40.6	375	6.1
1978	6,245	100.0	295	4.7	3,406	54.5	2,296	36.8	248	4.0
1980	6,048	100.0	351	5.8	3,697	61.1	1,836	30.4	164	2.7
1982	5,979	100.0	428	7.2	3,936	65.8	1,522	25.4	93	1.6
1984	6,299	100.0	537	8.5	4,448	70.6	1,243	19.7	71	1.1
1986	4,930	100.0	485	9.8	3,690	74.9	702	14.2	53	1.0
1988	4,690	100.0	783	16.7	3,351	71.4	524	11.2	32	0.7
Southern										
1972	3,857	100.0	99	2.6	1,831	47.5	1,601	41.5	326	8.4
1974	4,906	100.0	168	3.4	2,456	50.1	1,948	39.7	334	6.8
1976	5,830	100.0	237	4.1	3,249	55.7	2,093	35.9	251	4.3
1978	5,947	100.0	282	4.7	3,779	63.5	1,724	29.0	162	2.8
1980	6,209	100.0	378	6.1	4,361	70.2	1,364	22.0	106	1.7
1982	6,060	100.0	466	7.7	4,507	74.4	1,030	17.0	57	0.7
1984	6,295	100.0	676	10.7	4,709	74.8	863	13.7	47	0.7
1986	5,762	100.0	772	13.4	4,357	75.6	601	10.4	32	0.5
1988	5,625	100.0	1,056	18.8	4,213	74.9	341	6.1	15	0.3
Western										
1972	2,028	100.0	77	3.8	1,376	67.9	520	25.6	55	2.7
1974	2,373	100.0	122	5.1	1,728	72.8	477	20.1	46	2.0
1976	2,596	100.0	170	6.5	1,974	76.1	399	15.4	53	2.0
1978	2,527	100.0	212	8.4	1,944	76.8	331	13.2	40	1.6
1980	2,517	100.0	261	10.4	1,962	77.9	282	11.2	12	0.5
1982	2,370	100.0	270	11.4	1,844	77.8	246	10.4	10	0.4
1984	2,499	100.0	395	15.8	1,877	75.1	219	8.8	8	0.4
1986	2,306	100.0	442	19.2	1,703	73.9	153	6.6	8	0.4
1988	2,504	100.0	597	23.8	1,766	70.5	135	5.4	6	0.2

Credentials of Full-Time and Part-Time Faculty by State (Table F-14)

- In 1988, Alabama and the District of Columbia reported that more than 30 percent of full-time faculty (excluding administrators) had an earned doctorate as the highest credential.

- The states with over 150 full-time faculty members holding a doctorate were California, Illinois, New York, Texas, and Pennsylvania.

- The states reporting the highest numbers of part-time faculty with doctoral degrees were New York and California.

- Pennsylvania, Ohio, and Michigan reported the highest numbers of full-time faculty members having the baccalaureate as their highest credential.

- Full-time faculty with other credentials were found in the highest numbers in Iowa and Ohio.

Table F-14

HIGHEST EARNED CREDENTIAL OF FULL-TIME AND PART-TIME FACULTY,[1] BY STATE: 1988

JURISDICTION	TOTAL NUMBER OF PROGRAMS	NUMBER OF PROGRAMS REPORTING	FULL-TIME FACULTY					PART-TIME FACULTY				
			Total	Highest Earned Credential				Total	Highest Earned Credential			
				Doctorate	Master's	Baccalaureate	Other		Doctorate	Master's	Baccalaureate	Other
Alabama	35	32	392	84	298	9	1	58	2	35	21	0
Alaska	2	2	25	4	21	0	0	12	0	9	3	0
Arizona	18	16	329	79	245	5	0	76	2	33	41	0
Arkansas	21	21	197	19	123	53	2	34	2	14	15	3
California	98	85	1,038	248	747	41	2	368	29	250	78	11
Colorado	13	13	119	35	80	2	2	103	19	52	31	1
Connecticut	22	19	224	54	164	5	1	102	8	81	13	0
Delaware	8	8	86	18	57	11	0	29	1	13	15	0
District of Columbia	6	4	73	32	41	0	0	22	8	14	0	0
Florida	44	38	554	123	389	41	1	124	12	64	47	1
Georgia	37	30	321	60	248	13	0	71	2	37	31	1
Hawaii	6	6	76	20	56	0	0	13	0	11	2	0
Idaho	9	8	65	6	53	6	0	12	0	3	7	2
Illinois	78	70	878	222	638	18	0	177	8	162	7	0
Indiana	44	39	466	83	361	21	1	123	5	81	37	0
Iowa	39	33	278	39	141	86	12	165	7	47	63	48
Kansas	34	29	257	37	193	27	0	66	7	46	13	0
Kentucky	30	24	255	31	205	19	0	64	9	41	14	0
Louisiana	23	23	354	44	309	1	0	34	1	32	1	0
Maine	15	10	91	9	75	6	1	19	0	14	5	0
Maryland	26	23	285	76	203	6	0	100	9	70	21	0
Massachusetts	55	48	597	114	454	29	0	246	16	165	65	0
Michigan	50	45	520	95	363	59	3	363	11	155	179	18
Minnesota	27	26	237	33	188	13	3	77	5	55	17	0
Mississippi	22	19	256	25	230	1	0	18	1	15	1	1
Missouri	50	43	403	54	267	78	4	119	7	64	46	2
Montana	4	4	61	10	49	2	0	23	0	12	11	0
Nebraska	15	11	186	24	143	19	0	50	2	39	6	3
Nevada	6	9	60	13	41	6	0	21	1	15	5	0
New Hampshire	10	8	69	6	50	13	0	19	1	11	7	0
New Jersey	45	41	421	62	347	12	0	156	7	143	5	1
New Mexico	15	14	97	15	62	20	0	41	5	22	14	0
New York	122	101	1,285	305	918	57	5	663	76	491	92	4
North Carolina	62	52	446	73	294	79	0	105	0	46	58	1
North Dakota	10	6	79	7	65	7	0	22	0	17	5	0
Ohio	77	67	851	104	600	139	8	361	13	154	183	11
Oklahoma	28	26	218	33	169	16	0	44	2	28	14	0
Oregon	18	18	189	46	133	9	1	82	6	54	22	0
Pennsylvania	105	88	1,135	155	844	132	4	308	12	197	97	2
Rhode Island	7	4	83	24	55	4	0	11	4	7	0	0
South Carolina	23	17	232	62	159	10	1	55	0	34	21	0
South Dakota	9	9	87	7	55	24	1	46	0	19	25	2
Tennessee	38	38	402	77	294	26	5	89	6	59	22	2
Texas	69	66	940	225	708	6	1	130	17	102	10	1
Utah	5	5	120	34	70	16	0	45	8	28	9	0
Vermont	7	6	36	7	29	0	0	6	0	6	0	0
Virginia	41	37	422	92	287	40	3	107	11	80	16	0
Washington	27	26	277	76	185	16	0	121	3	92	25	1
West Virginia	22	19	180	23	145	11	1	40	0	19	20	1
Wisconsin	34	34	412	79	310	23	0	169	8	135	25	1
Wyoming	6	6	45	11	22	12	0	20	0	7	12	1
American Samoa	1	1	3	0	1	1	1	0	0	0	0	0
Guam	2	2	8	0	7	1	0	7	0	5	0	2
Puerto Rico	20	14	146	4	138	4	0	40	0	37	3	0
Virgin Islands	2	2	9	3	6	0	0	4	0	1	1	2
TOTAL	1,642	1,445	16,875	3,221	12,335	1,255	64	5,380	353	3,423	1,481	123

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[1] Excluding chief administrator of program.

Credentials of Full-Time Faculty in Accredited and Non-Accredited Programs (Table F-15)

- In the last 16 years, the percentage of faculty with doctoral degrees across all types of accredited programs has increased seven-fold, from 3 percent in 1972 to 20.9 percent in 1988. In non-accredited programs, the percentage of doctorally prepared faculty is much lower, but over the 16-year period it has increased from 1.4 percent to 5.4 percent.

- Master's prepared faculty in both accredited and non-accredited programs have increased from about 48 – 49 percent to about 75 percent in the past 16 years.

- In accredited baccalaureate and higher degree programs, 99.1 percent of the faculty have a graduate degree, while in non-accredited programs only 78.0 percent of the faculty have graduate degrees.

- In accredited associate degree programs, 91.9 percent of faculty have a graduate degree. In contrast, in non-accredited programs only 78.0 percent of the faculty have graduate degrees.

- In accredited diploma programs, 77.4 percent of faculty had graduate preparation, compared with 42.8 percent in non-accredited programs. With the considerable decrease in number of diploma faculty, the accredited program faculty are becoming much more highly credentialed.

Table F-15

HIGHEST EARNED CREDENTIAL OF FULL-TIME FACULTY IN ACCREDITED AND NON-ACCREDITED PROGRAMS: 1972-1988

YEAR	ACCREDITED PROGRAMS					NON-ACCREDITED PROGRAMS				
	Number of Faculty	Doctorate %	Master's %	Baccalaureate %	Other %	Number of Faculty	Doctorate %	Master's %	Baccalaureate %	Other %
ALL REPORTING PROGRAMS										
1972	13,242	3.0	48.3	38.7	10.0	3,552	1.4	49.0	41.2	8.4
1974	15,138	4.0	52.5	36.0	7.5	4,066	1.8	50.2	41.0	7.0
1976	16,612	5.0	57.8	32.3	4.9	3,963	1.6	52.8	40.6	5.0
1978	16,483	5.9	63.2	27.9	3.0	3,734	2.1	59.3	34.1	4.5
1980	16,934	7.5	68.3	22.2	2.0	3,421	4.3	66.2	27.0	2.5
1982	16,713	9.3	71.7	17.9	1.1	3,029	3.7	69.4	25.1	1.8
1984	17,208	11.7	73.7	13.9	0.8	2,863	3.8	68.8	25.5	1.9
1986	15,541	14.9	74.6	9.6	0.5	2,431	3.6	75.6	19.5	1.4
1988	14,424	20.9	73.2	5.6	0.3	2,659	5.4	77.1	17.0	0.5
BACCALAUREATE AND HIGHER DEGREE										
1972	4,912	7.6	82.2	10.2	0.0	622	5.9	78.9	15.0	0.2
1974	6,193	9.2	79.9	10.9	0.0	851	6.2	74.1	18.6	1.1
1976	7,637	10.1	79.4	10.2	0.3	933	4.7	72.2	21.8	1.3
1978	7,842	11.9	81.1	7.0	0.0	952	6.1	75.1	17.9	0.9
1980	8,441	13.9	81.4	4.7	0.0	1,090	9.7	81.9	8.4	0.0
1982	8,632	16.8	80.0	3.2	0.0	870	9.3	84.9	5.3	0.0
1984	8,959	21.1	76.6	2.3	0.0	718	8.9	80.5	10.4	0.1
1986	8,429	25.3	73.2	1.5	0.0	752	6.1	88.8	5.1	0.0
1988	8,358	33.8	65.3	0.8	0.1	716	12.8	82.0	5.2	0.0
ASSOCIATE DEGREE PROGRAMS										
1972	1,442	1.0	64.7	33.0	1.3	2,146	0.5	53.3	43.1	3.1
1974	2,349	1.1	63.5	33.6	1.8	2,646	0.7	50.4	44.3	4.6
1976	3,078	1.3	63.8	32.9	2.0	2,602	0.7	51.5	43.5	4.3
1978	3,464	1.0	68.2	29.3	1.5	2,475	0.8	58.0	36.8	4.4
1980	3,932	2.2	73.6	23.1	1.1	2,104	1.9	62.8	32.7	2.6
1982	3,838	2.1	80.2	17.2	0.5	2,025	1.3	65.0	31.3	2.4
1984	4,400	2.7	82.5	14.3	0.6	2,052	2.2	65.7	29.7	2.4
1986	4,266	3.7	84.1	11.9	0.4	1,641	2.5	69.8	25.7	2.2
1988	4,050	4.1	87.8	7.4	0.6	1,936	2.6	75.4	21.2	0.7
DIPLOMA PROGRAMS										
1972	6,888	0.2	20.7	60.2	13.9	784	0.1	13.7	56.8	29.4
1974	6,596	0.2	22.8	60.3	16.7	569	0.2	13.7	59.4	26.7
1976	5,897	0.2	26.6	60.6	12.6	428	0.0	18.0	63.3	18.7
1978	5,177	0.3	32.9	58.5	8.3	307	0.0	21.2	62.5	16.3
1980	4,561	0.3	39.4	54.0	6.3	227	0.0	22.0	63.5	14.5
1982	4,243	0.4	47.1	48.4	4.1	134	0.0	33.6	61.2	5.2
1984	3,849	0.4	56.7	40.5	2.4	93	0.0	46.2	49.5	4.3
1986	2,846	1.0	66.2	30.3	2.5	38	0.0	60.5	36.8	2.6
1988	2,016	1.0	76.4	21.6	1.0	7	0.0	42.8	57.1	0.0

Comparison of Credentials of Part-Time Faculty in Accredited and Non-Accredited Programs (Table F-16)

- Seventy-four percent of part-time faculty in all accredited programs have graduate degrees, in contrast to 53.6 percent in non-accredited programs.
- The distribution of credentials of part-time faculty in baccalaureate and higher degree programs is very similar in accredited and non-accredited programs.
- Accredited associate degree programs have a higher percentage of part-time faculty with master's degree preparation (50.1%) than non-accredited programs (38.8%). A lower percentage of part-time faculty in accredited associate degree programs have the baccalaureate as their highest credential (41.0%) than in non-accredited programs (57.4%).
- Accredited diploma programs have a higher percentage (58.6%) of master's prepared faculty than do non-accredited programs (25.0%).

Table F-16

HIGHEST EARNED CREDENTIAL OF PART-TIME FACULTY IN ACCREDITED AND NON-ACCREDITED PROGRAMS: 1972-1988

YEAR	ACCREDITED PROGRAMS					NON-ACCREDITED PROGRAMS				
	Number of Faculty	Doctorate %	Master's %	Baccalaureate %	Other %	Number of Faculty	Doctorate %	Master's %	Baccalaureate %	Other %
ALL REPORTING PROGRAMS										
1972	2,213	2.5	38.0	45.0	14.5	666	2.7	32.0	52.3	13.0
1974	2,831	2.9	38.4	47.1	11.6	949	2.3	31.1	50.6	16.0
1976	3,175	3.1	42.9	45.4	8.6	946	1.9	28.0	53.9	16.2
1978	3,438	3.3	47.7	43.3	5.7	1,019	1.7	32.8	54.5	11.0
1980	3,791	2.7	53.0	39.3	5.0	990	1.2	37.3	49.2	12.3
1982	4,076	4.3	55.7	36.8	3.2	1,091	1.4	36.8	53.9	7.9
1984	4,943	3.4	60.7	33.8	2.2	1,352	2.4	36.2	50.7	10.6
1986	4,647	6.2	67.0	25.7	1.2	1,170	3.6	52.4	38.6	5.4
1988	4,505	7.1	67.3	23.4	2.2	945	2.8	49.6	45.3	2.3
BACCALAUREATE AND HIGHER DEGREE										
1972	750	4.4	67.1	28.1	0.4	127	4.7	49.6	43.3	2.4
1974	1,125	6.1	63.0	30.2	0.7	213	3.3	52.1	42.7	1.9
1976	1,540	4.8	62.8	31.4	1.0	221	7.7	58.8	29.4	3.2
1978	1,670	5.8	68.0	25.7	0.5	249	5.2	57.5	36.9	0.4
1980	1,866	4.7	75.6	19.5	0.2	242	3.7	73.6	22.3	0.4
1982	2,028	8.2	73.9	17.9	0.0	226	4.9	77.0	18.1	0.0
1984	2,404	6.2	80.3	13.5	0.0	322	6.2	64.6	28.6	0.0
1986	2,533	9.7	80.5	9.7	0.1	428	8.4	79.2	12.4	0.0
1988	2,392	10.2	81.1	8.4	0.3	230	8.7	83.5	7.4	0.4
ASSOCIATE DEGREE PROGRAMS										
1972	314	0.0	35.4	58.3	6.3	346	0.9	27.7	59.5	11.9
1974	582	0.4	32.5	61.5	5.6	628	2.4	26.7	52.1	18.8
1976	742	2.4	31.1	61.5	5.0	677	0.0	18.6	61.7	19.7
1978	898	0.6	34.3	60.8	4.3	724	0.4	24.6	61.2	13.8
1980	1,141	0.9	34.8	58.9	5.4	711	0.3	25.7	57.7	16.3
1982	1,312	0.3	41.4	54.6	3.7	834	0.4	27.0	62.8	9.8
1984	1,815	0.7	39.4	50.5	3.0	1,006	1.2	27.3	57.5	14.1
1986	1,596	2.1	52.3	44.1	1.5	731	0.7	37.1	53.9	8.4
1988	1,722	4.0	50.1	41.0	4.9	711	0.8	38.8	57.4	3.0
DIPLOMA PROGRAMS										
1972	1,149	1.9	19.8	52.3	26.0	193	4.7	28.0	45.0	22.3
1974	1,124	1.0	16.8	56.7	25.5	108	0.0	14.8	57.4	27.8
1976	893	0.7	18.2	56.3	24.8	48	2.1	18.8	58.2	22.9
1978	870	1.5	22.8	58.8	16.9	46	2.2	28.2	43.5	26.1
1980	784	0.6	25.8	57.9	15.7	37	2.7	21.6	62.2	13.5
1982	736	0.5	31.3	57.3	10.9	31	3.2	9.7	74.2	12.9
1984	724	0.7	32.7	59.3	7.4	24	4.2	29.2	62.5	4.2
1986	528	1.5	46.4	47.0	5.0	11	9.1	27.3	45.5	18.2
1988	391	1.5	58.6	37.3	2.6	4	0.0	25.0	75.0	0.0

Nursing Versus Non-Nursing Degrees: Full-Time Faculty (Table F-17)

- This table reports the percentage of full-time faculty that have their highest degree in nursing or in another field. The information is presented by type of program and NLN region. In interpreting percentages, note the differences in actual numbers of faculty in each section of the table.

- Over all programs, 35.9 percent of the doctoral degrees are in nursing. The North Atlantic region has the highest percentage of nursing doctoral degrees (47.3%).

- In baccalaureate and higher degree programs, 36.5 percent of the full-time faculty with doctoral degrees have their doctorate in nursing. Again, the highest percentage is in the North Atlantic region.

- In baccalaureate and higher degree programs, 95.6 percent of the full-time faculty whose highest credential is a master's degree have their degree in nursing. In associate degree programs, 89.5 percent of the master's prepared faculty have degrees in nursing; in diploma programs, 72 percent of the master's prepared faculty have nursing degrees.

- Over all programs, 85.4 percent of the baccalaureate-prepared faculty have their degree in nursing. In baccalaureate and higher degree programs, 96 percent of the full-time faculty prepared at the baccalaureate level majored in nursing.

Table F-17

CREDENTIALS OF FULL-TIME FACULTY: PERCENTAGE OF NURSING AND NON-NURSING DEGREES, BY TYPE OF PROGRAM AND NLN REGION:1988

NLN REGION	DOCTORATE			MASTER'S DEGREE			BACCALAUREATE		
	Total Number Doctorate	Nursing Major (percent)	Non-Nursing Major (percent)	Total Number Master's	Nursing Major (percent)	Non-Nursing Major (percent)	Total Number	Nursing Major (percent)	Non-Nursing Major (percent)
ALL REPORTING RN PROGRAMS									
All Regions	3,221	35.9	64.1	12,411	88.0	12.0	1,367	85.4	14.6
North Atlantic	785	47.3	52.7	3,088	90.4	9.6	269	90.3	9.7
Midwestern	783	28.1	71.9	3,336	84.8	15.2	523	91.8	8.2
Southern	1,056	34.2	65.7	4,219	88.8	11.2	341	95.0	5.0
Western	597	33.8	66.1	1,766	87.8	12.2	234	51.7	48.3
BACCALAUREATE AND HIGHER DEGREE PROGRAMS									
All Regions	2,982	36.5	63.5	6,066	95.6	4.4	104	96.2	3.8
North Atlantic	724	47.9	52.1	1,397	97.3	2.7	12	100.0	0.0
Midwestern	743	28.9	71.1	1,792	94.9	5.1	66	93.9	6.1
Southern	962	24.5	65.5	2,005	96.3	3.7	23	100.0	0.0
Western	553	35.3	64.7	872	92.8	7.2	3	100.0	0.0
ASSOCIATE DEGREE PROGRAMS									
All Regions	218	28.9	71.1	4,796	83.5	16.5	819	82.1	17.9
North Atlantic	50	44.0	56.0	965	89.5	10.5	76	92.1	7.9
Midwestern	34	14.7	85.3	1,077	77.4	22.6	263	93.5	6.5
Southern	90	32.2	67.8	1,885	83.9	16.1	252	95.6	4.4
Western	44	16.7	88.1	867	83.7	16.2	228	50.4	49.6
DIPLOMA PROGRAMS									
All Regions	21	14.3	85.7	1,549	72.0	28.0	444	89.2	10.8
North Atlantic	11	18.2	81.8	726	78.4	21.6	181	89.0	11.0
Midwestern	6	0.0	100.0	467	63.0	37.0	194	88.7	11.3
Southern	4	25.0	75.0	329	71.7	28.3	66	90.9	9.1
Western	0	—	—	27	59.3	40.7	3	100.0	0.0

Nursing Versus Non-Nursing Degrees: Part-Time Faculty (Table F-18)

- This table reports the percentage of part-time faculty that have their highest degree in nursing or in another field. The information is presented by type of program and NLN region. When interpreting percentages, be sure to note the differences in actual numbers of faculty in each section of the table.

- Of all part-time faculty with doctoral preparation, 32.6 percent have their degree in nursing.

- Among part-time faculty with a master's degree, 90.3 percent majored in nursing. In baccalaureate and higher degree programs, 94.9 percent of master's prepared part-time faculty have a nursing degree; in associate degree programs, 85.4 percent have a degree in nursing; and in diploma programs, 72.9 percent have a nursing degree.

- Across all programs, 82.2 percent of baccalaureate-prepared part-time faculty have a degree in nursing.

Table F-18

HIGHEST EARNED CREDENTIAL OF PART-TIME FACULTY BY TYPE OF PROGRAM AND NLN REGION:1988

NLN REGION	DOCTORATE			MASTER'S DEGREE			BACCALAUREATE		
	Total Number	Nursing Major (percent)	Non-Nursing Major (percent)	Total Number	Nursing Major (percent)	Non-Nursing Major (percent)	Total Number	Nursing Major (percent)	Non-Nursing Major (percent)
ALL REPORTING RN PROGRAMS									
All Regions	353	32.6	67.4	3,423	90.3	9.7	1,481	82.2	17.8
North Atlantic	133	34.6	65.4	1,142	93.0	7.0	299	97.7	2.3
Midwestern	73	31.5	68.5	974	89.2	10.8	606	94.4	5.6
Southern	74	35.1	64.9	714	89.8	10.2	316	31.0	69.0
Western	73	27.4	72.6	593	87.5	12.5	260	98.1	1.9
BACCALAUREATE AND HIGHER DEGREE PROGRAMS									
All Regions	272	35.7	64.3	2,054	94.9	5.1	218	98.2	1.8
North Atlantic	85	48.2	51.8	607	94.9	5.1	29	96.6	3.4
Midwestern	68	33.8	66.2	666	95.3	4.7	109	99.1	0.9
Southern	65	29.2	70.8	407	94.8	5.2	36	94.4	5.6
Western	54	25.9	74.1	374	94.4	5.6	44	100.0	0.0
ASSOCIATE DEGREE PROGRAMS									
All Regions	75	20.0	80.0	1,140	85.4	14.6	1,112	78.0	22.0
North Atlantic	44	6.8	93.2	397	95.2	4.8	198	98.5	1.5
Midwestern	4	0.0	100.0	244	79.5	20.5	442	94.3	5.7
Southern	8	75.0	25.0	280	86.4	15.4	256	17.2	82.8
Western	19	42.9	57.1	218	75.7	24.3	212	97.2	2.3
DIPLOMA PROGRAMS									
All Regions	6	50.0	50.0	229	72.9	27.1	151	90.1	9.9
North Atlantic	4	50.0	50.0	137	78.8	21.2	72	95.8	4.2
Midwestern	1	0.0	100.0	64	62.5	37.5	55	85.5	14.5
Southern	1	100.0	0.0	27	66.7	33.3	24	83.3	16.7
Western	0	—	—	1	100.0	0.0	0	—	—

Highest Earned Credentials of Graduate Faculty (Table F-19)

- Table F-19 presents the highest earned credential of faculty who teach at the graduate level.
- Of all full-time faculty teaching only at the graduate level, 78.0 percent have a doctorate, with 30.8 percent of those individuals having a major in nursing.
- Of all full-time faculty teaching at both the graduate and undergraduate levels, 73.2 percent have a doctorate; 22.7 percent of these individuals have their doctorate in nursing.
- Of all part-time graduate faculty, 41.4 percent have a doctoral degree, and 11.3 percent of these individuals have their degree in nursing.
- The Midwestern region has the lowest percentage of graduate faculty with a doctorate in nursing.
- The North Atlantic region has the highest percentage of graduate faculty with a doctorate in nursing.
- The North Atlantic region has the highest percentage of full-time faculty teaching only at the graduate level without a doctorate.

Table F-19
HIGHEST EARNED CREDENTIAL OF GRADUATE FACULTY, BY NLN REGION :1988
Percent of Faculty with Highest Credential

NLN REGION	TOTAL GRADUATE FACULTY		PERCENT WITH DOCTORATE		PERCENT WITH MASTER'S DEGREE	PERCENT WITH OTHER
	Number	Percent	Nursing	Non-Nursing	Nursing	
FULL-TIME FACULTY TEACHING ONLY AT THE GRADUATE LEVEL						
All Regions	995	100	30.8	47.2	20.2	1.8
North Atlantic	241	100	36.5	34.4	28.2	0.8
Midwestern	227	100	24.2	59.9	13.2	2.6
Southern	383	100	31.6	48.6	18.5	1.3
Western	144	100	29.2	45.1	22.2	3.5
FULL-TIME FACULTY TEACHING AT BOTH GRADUATE AND UNDERGRADUATE LEVELS						
All Regions	1,518	100	22.7	50.5	25.7	1.1
North Atlantic	257	100	37.4	34.2	26.8	1.6
Midwestern	501	100	12.2	68.3	19.2	0.4
Southern	478	100	20.9	45.2	33.3	0.6
Western	282	100	31.2	42.9	23.4	2.5
PART-TIME GRADUATE FACULTY						
All Regions	326	100	11.3	30.1	54.6	4.0
North Atlantic	85	100	17.6	21.2	58.8	2.4
Midwestern	55	100	7.3	43.6	43.0	5.5
Southern	95	100	11.6	25.3	58.9	4.2
Western	91	100	7.7	35.2	52.7	4.4

Ethnic Background of Administrators (Table F-20)

- The distribution of ethnic background of program administrators is presented in Table F-20.
- In baccalaureate and higher degree programs the percentage of white administrators is similar to the data for full-time faculty.
- Black (non-hispanic) administrators represent the largest non-white ethnic background.

Table F-20

ETHNIC BACKGROUND OF ADMINISTRATORS, BY TYPE OF PROGRAM AND REGION: 1988

NLN REGION[1]	Total Full-Time Faculty		American Indian or Alaskan Native		Asian or Pacific Islander		Black (Non-Hispanic)		Hispanic		White (Other Than Hispanic)	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
ALL REPORTING RN PROGRAMS												
All Regions	1,795	100	18	1.0	29	1.6	96	5.3	11	0.6	1,641	91.4
North Atlantic	435	100	2	0.5	3	0.7	23	5.3	2	0.5	405	93.1
Midwestern	521	100	5	1.0	8	1.5	18	3.5	2	0.4	488	93.7
Southern	592	100	4	0.7	7	1.2	36	6.1	5	0.8	540	91.2
Western	247	100	7	2.8	11	4.5	19	7.7	2	0.8	208	84.2
BACCALAUREATE AND HIGHER DEGREE PROGRAMS												
All Regions	836	100	3	0.4	14	1.7	42	5.0	1	0.1	776	92.8
North Atlantic	173	100	0	0.0	1	0.6	11	6.4	1	0.6	160	92.5
Midwestern	242	100	1	0.4	4	1.7	9	3.7	0	0.0	228	94.2
Southern	295	100	1	0.3	3	1.0	20	6.8	0	0.0	271	91.9
Western	126	100	1	0.8	6	4.8	2	1.6	0	0.0	117	92.9
ASSOCIATE DEGREE PROGRAMS												
All Regions	634	100	13	2.1	12	1.9	47	7.4	8	1.3	554	87.4
North Atlantic	111	100	1	0.9	1	0.9	10	9.0	0	0.0	99	89.2
Midwestern	166	100	4	2.4	4	2.4	7	4.2	1	0.6	150	90.4
Southern	238	100	2	0.8	2	0.8	13	5.5	5	2.1	216	90.8
Western	119	100	6	5.0	5	4.2	17	14.3	2	1.7	89	74.8
DIPLOMA PROGRAMS												
All Regions	325	100	2	0.6	3	0.9	7	2.2	2	0.6	311	95.7
North Atlantic	151	100	1	0.7	1	0.7	2	1.3	1	0.7	146	96.7
Midwestern	113	100	0	0.0	0	0.0	2	1.8	1	0.9	110	97.3
Southern	59	100	1	1.7	2	3.4	3	5.1	0	0.0	53	89.8
Western	2	100	0	0.0	0	0.0	0	0.0	0	0.0	2	100.0

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Ethnic Background of Faculty (Tables F-21 and F-22)

- Percentages of full-time faculty who were members of ethnic minority groups in 1988 were slightly lower than in 1986 and 1984 with 8.5 percent belonging to an ethnic minority group.
- Associate degree programs had the highest percentage of full-time faculty from ethnic minority groups (10.4%), and diploma programs had the lowest percentage (7.2%).
- Diploma programs in the West reported the highest overall proportion of full-time faculty from minority groups, with 23.3 percent black, non-Hispanic, 23.3 percent Asian or Pacific Islander, and 3 percent American Indian or Alaskan Native. However, the actual number of minority faculty members in these programs was low since there are so few diploma programs in the Western region.
- Non-Hispanic blacks constitute the largest minority group among full-time faculty in all regions and program types.
- Overall, a smaller percentage of part-time faculty (5.1%) come from an ethnic minority background than is found for full-time faculty. Black (non-Hispanic) faculty members make up only 4.4 percent of part-time faculty, compared with 5.6 percent of full-time faculty.
- Hispanics comprise 0.9 percent of full-time and 0.6 percent of part-time faculty.

Table F-21

ETHNIC BACKGROUND OF FULL-TIME FACULTY, BY TYPE OF PROGRAM AND REGION: 1988

NLN REGION[1]	Total Full-Time Faculty		American Indian or Alaskan Native		Asian or Pacific Islander		Black (Non-Hispanic)		Hispanic		White (Other Than Hispanic)	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
ALL REPORTING RN PROGRAMS												
All Regions	16,514	100	91	0.6	252	1.5	920	5.6	144	0.9	15,107	91.5
North Atlantic	4,115	100	26	0.6	53	1.3	177	4.3	20	0.5	3,839	93.3
Midwestern	4,523	100	7	0.2	61	1.3	169	3.7	14	0.3	4,272	94.5
Southern	5,413	100	31	0.6	44	0.8	469	8.7	61	1.1	4,808	88.8
Western	2,463	100	27	1.1	94	3.8	105	4.3	49	2.0	2,188	88.8
BACCALAUREATE AND HIGHER DEGREE PROGRAMS												
All Regions	8,919	100	34	0.4	136	1.5	443	5.0	66	0.7	8,240	92.4
North Atlantic	2,175	100	1	0.0	24	1.1	87	4.0	14	0.6	2,049	94.2
Midwestern	2,481	100	6	0.2	34	1.4	85	3.4	6	0.2	2,350	94.7
Southern	2,852	100	11	0.4	31	1.1	234	8.2	26	0.9	2,560	89.4
Western	1,411	100	16	1.1	47	3.3	37	2.6	20	1.4	1,291	91.5
ASSOCIATE DEGREE PROGRAMS												
All Regions	5,622	100	45	0.8	86	1.5	388	6.9	66	1.2	5,037	89.6
North Atlantic	1,022	100	14	1.4	10	1.0	70	6.8	3	0.3	925	90.5
Midwestern	1,407	100	1	0.1	23	1.6	60	4.3	5	0.4	1,318	93.7
Southern	2,171	100	20	0.9	13	0.6	197	9.1	30	1.4	1,911	88.0
Western	1,022	100	10	1.0	40	3.9	61	6.0	28	2.7	883	86.4
DIPLOMA PROGRAMS												
All Regions	1,973	100	12	0.6	30	1.5	89	4.5	12	0.6	1,830	92.8
North Atlantic	918	100	11	1.2	19	2.1	20	2.2	3	0.3	865	94.2
Midwestern	635	100	0	0.0	4	0.6	24	3.8	3	0.5	604	95.1
Southern	390	100	0	0.0	0	0.0	38	9.7	5	1.3	347	89.0
Western	30	100	1	3.3	7	23.3	7	23.3	1	3.3	14	46.7

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table F-22

ETHNIC BACKGROUND OF PART-TIME FACULTY BY NLN REGION AND TYPE OF PROGRAM:1988

NLN REGION[1]	Total Part-Time Faculty		American Indian or Alaskan Native		Asian or Pacific Islander		Black (Non-Hispanic)		Hispanic		White (Other Than Hispanic)	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
ALL REPORTING RN PROGRAMS												
All Regions	6,755	100	30	0.4	60	0.9	211	3.1	42	0.6	6,412	94.9
North Atlantic	2,236	100	12	0.5	18	0.8	92	4.1	9	0.4	2,105	94.1
Midwestern	2,216	100	8	0.4	10	0.5	32	1.4	6	0.3	2,160	97.5
Southern	1,406	100	7	0.5	8	0.6	68	4.8	8	0.6	1,315	93.5
Western	897	100	3	0.3	24	2.7	19	2.1	19	2.1	832	92.8
BACCALAUREATE AND HIGHER DEGREE PROGRAMS												
All Regions	2,481	100	9	0.4	31	1.2	87	3.5	16	0.6	2,338	94.2
North Atlantic	715	100	1	0.1	11	1.5	47	6.6	3	0.4	653	91.3
Midwestern	827	100	7	0.8	5	0.6	11	1.3	3	0.4	801	96.9
Southern	472	100	0	0.0	1	0.2	25	5.3	4	0.8	442	93.6
Western	467	100	1	0.2	14	3.0	4	0.9	6	1.3	442	94.6
ASSOCIATE DEGREE PROGRAMS												
All Regions	2,430	100	20	0.8	26	1.1	117	4.8	23	0.9	2,244	92.3
North Atlantic	649	100	10	1.5	4	0.6	43	6.6	5	0.8	587	90.4
Midwestern	782	100	1	0.1	5	0.6	19	2.4	2	0.3	755	96.5
Southern	584	100	7	1.2	7	1.2	40	6.8	4	0.7	526	90.1
Western	415	100	2	0.5	10	2.4	15	3.6	12	2.9	376	90.6
DIPLOMA PROGRAMS												
All Regions	1,844	100	1	0.1	3	0.2	7	0.4	3	0.2	1,830	99.2
North Atlantic	872	100	1	0.1	3	0.3	2	0.2	1	0.1	865	99.2
Midwestern	607	100	0	0.0	0	0.0	2	0.3	1	0.2	604	99.5
Southern	350	100	0	0.0	0	0.0	3	0.9	0	0.0	347	99.1
Western	15	100	0	0.0	0	0.0	0	0.0	1	6.7	14	93.3

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Number of Male Faculty Members (Tables F-23 and F-24)

- A total of 416 male full-time faculty and 238 male part-time faculty members were reported in the survey.
- There has been a 31.4 percent decrease in full-time male faculty and a 36.5 percent decrease in part-time male faculty over the last two years.
- Male faculty constituted 2.5 percent of the full-time faculty and 3.5 percent of the part-time faculty.
- Overall there was nearly one male full-time faculty member for every three nursing programs, and one male part-time faculty member for every five nursing programs.
- The percentage of male full-time faculty across the regions ranged from 4.1 percent in the Western region to 1.9 percent in the North Atlantic region. The North Atlantic region reported the smallest percentage of male part-time faculty as well (1.9%).
- Associate degree programs had the lowest percentage of full-time male faculty (1.8%).
- Diploma programs had the lowest percent of part-time male faculty (0.4%).
- The greatest percentages of part-time male faculty were found in baccalaureate programs in the Southern region (7.8%), and associate degree programs in the Western region (12.5%).

Table F-23

FULL-TIME MALE FACULTY BY TYPE OF PROGRAM AND REGION:1988

NLN Region	Number of Responding Programs	Total Number of Full-Time Faculty	Number of Full-Time Male Faculty	Mean Number of Full-Time Male Faculty per Program	Full-Time Male Faculty (percent of total)
ALL REPORTING PROGRAMS					
All Regions	1,400	16,514	416	0.3	2.5
North Atlantic	326	4,115	77	0.2	1.9
Midwestern	406	4,523	96	0.2	2.1
Southern	473	5,413	142	0.3	2.6
Western	195	2,463	101	0.5	4.1
BACCALAUREATE AND HIGHER DEGREE PROGRAMS					
All Regions	568	8,919	268	0.5	3.0
North Atlantic	136	2,175	35	0.3	1.6
Midwestern	176	2,481	59	0.3	2.4
Southern	182	2,852	99	0.5	3.5
Western	74	1,411	75	1.0	5.3
ASSOCIATE DEGREE PROGRAMS					
All Regions	668	5,622	99	0.1	1.8
North Atlantic	109	1,022	26	0.2	2.5
Midwestern	178	1,407	17	0.1	1.2
Southern	261	2,171	31	0.1	1.4
Western	120	1,022	25	0.2	2.4
DIPLOMA PROGRAMS					
All Regions	164	1,973	49	0.3	2.5
North Atlantic	81	918	16	0.2	1.7
Midwestern	52	635	20	0.4	3.1
Southern	30	390	12	0.4	3.1
Western	1	30	1	1.0	3.3

Table F-24

PART-TIME MALE FACULTY BY TYPE OF PROGRAM AND REGION:1988

NLN Region	Number of Responding Programs	Total Number of Part-Time Faculty	Number of Part-Time Male Faculty	Mean Number of Part-Time Male Faculty per Program	Part-Time Male Faculty (percent of total)
ALL REPORTING PROGRAMS					
All Regions	1,400	6,755	238	0.2	3.5
North Atlantic	326	2,236	40	0.1	1.8
Midwestern	406	2,216	86	0.2	3.9
Southern	473	1,406	46	0.1	3.3
Western	195	897	66	0.3	7.4
BACCALAUREATE AND HIGHER DEGREE PROGRAMS					
All Regions	568	2,481	142	0.3	5.7
North Atlantic	136	715	24	0.2	3.4
Midwestern	176	827	67	0.4	8.1
Southern	182	472	37	0.2	7.8
Western	74	467	14	0.2	3.0
ASSOCIATE DEGREE PROGRAMS					
All Regions	668	2,430	88	0.1	3.6
North Atlantic	109	649	11	0.1	1.7
Midwestern	178	782	17	0.1	2.2
Southern	261	584	8	0.0	1.4
Western	120	415	52	0.4	12.5
DIPLOMA PROGRAMS					
All Regions	164	1,844	8	0.0	0.4
North Atlantic	81	872	5	0.1	0.6
Midwestern	52	607	2	0.0	0.3
Southern	30	350	1	0.0	0.3
Western	1	15	0	0.0	0.0

FACULTY WORKLOAD (Tables F-25 to F-34)

- For the information presented in Tables F-25 to F-34, each program was asked to indicate the number of hours and the number of students for a typical full-time faculty member.
- The various faculty activities listed in the tables are described in the section "Definition of Terms" at the beginning of this book.

Faculty Hours Per Week—Basic Nursing Students (Table F-25)

- Table F-25 shows the mean, standard deviation, and range for hours of faculty time per week for each activity for faculty teaching in basic nursing programs.

- Clinical teaching represents the major activity in the typical faculty workload, with a mean of 13.5 hours per week for all programs. A considerable difference was found among number of hours of clinical teaching by type of program. Generic baccalaureate programs had a mean of 12.2 and associate degree programs a mean of 13.6 hours per week, while diploma programs had the highest mean for clinical teaching of 17.5 hours per week.

- The means for classroom teaching ranged from 4.6 hours per week in baccalaureate programs to 5.2 in diploma programs. The mean for associate degree programs was 4.7 hours per week.

- The highest figure for hours spent in advisement and counseling was reported in baccalaureate programs (3.9 hours per week) and the lowest in diploma programs (3.1 hours per week).

Table F-25
COMPARISON OF FACULTY WORKLOAD BY TYPE OF PROGRAM:1988

FACULTY ACTIVITY	ALL PROGRAMS			BACCALAUREATE PROGRAMS			ASSOCIATE DEGREE PROGRAMS			DIPLOMA PROGRAMS		
	Mean	s.d.	Range	Mean	s.d.	Range	Mean	s.d.	Range	Mean	s.d	Range
Classroom teaching	4.7	2.9	0-18	4.6	2.9	1-17	4.7	2.8	0-18	5.2	3.2	0-16
Clinical teaching	13.5	4.1	0-24	12.2	4.2	0-18	13.6	4.1	0-24	17.5	3.9	0-24
Advisement/counseling	3.8	3.2	0-20	3.9	4.7	0-20	3.8	3.0	0-12	3.1	2.1	0-18
Preparation hours	8.7	5.2	0-32	9.4	6.4	0-32	8.3	5.0	0-41	7.6	3.8	0-23
Committees	3.3	2.3	0-17	4.0	3.1	0-17	2.9	2.0	0-15	2.9	1.7	0-12

Faculty Hours—Percentiles (Table F-26)

- The number of hours per week spent on each faculty activity is broken down into percentiles in Table F-26. The interval between the 25th percentile and the 75th percentile represents the middle 50 percent of programs (see "Definition of Terms" under *percentile*.) The median value (50th percentile) is a measure of the typical program in that half the programs are equal to or below that value and the other half are greater than that value.

- Most of the nursing education program faculty spend between three and six hours a week in classroom teaching.

- In clinical teaching, diploma faculty had a much higher number of hours per week. The 25th percentile for diploma programs was 16 hours per week, while associate degree and generic baccalaureate programs reached 16 hours at the 75th percentile.

- The number of hours for advisement, preparation, and committee activities is similar across the types of programs.

Table F-26
COMPARISON OF FACULTY WORKLOAD BY TYPE OF PROGRAM:1988
PERCENTILES

FACULTY ACTIVITY	ALL PROGRAMS			BACCALAUREATE PROGRAMS			ASSOCIATE DEGREE PROGRAMS			DIPLOMA PROGRAMS		
	25th	50th	75th	25th	50th	75th	25th	50th	75th	25th	50th	75th
Classroom teaching	3	4	6	3	4	6	3	4	5	3	5	6
Clinical teaching	12	14	16	10	12	15	12	14	16	16	17	20
Advisement	2	3	5	2	3	5	2	4	5	2	3	4
Preparation hours	5	8	10	6	9	12	5	8	10	5	7	10
Committees	2	3	4	2	4	5	2	2	4	2	2	4

Faculty Teaching Hours by NLN Region and Program Type (Table F-27)

- A comparison of the average faculty teaching hours by NLN region and type of program is presented in Table F-27.
- In all types of programs in the Western region faculty teach a significantly higher number ($p < .05$) of clinical hours each week.
- In the North Atlantic region faculty on the average teach less class and less clinical hours per week than in any other region.
- Faculty in baccalaureate programs in the North Atlantic region on the average teach less clinical hours than faculty in any other region.
- Baccalaureate faculty on the average have a higher number of hours per we[illegible]r preparation for teaching, and for committee activities in comparison with faculty teac[illegible]n associate degree or diploma programs.

Table F-27
COMPARISON OF FACULTY TEACHING HOURS PER WEEK BY NLN REGIONS AND PROGRAM TYPE:1988
(Mean Number of Hours)

NLN REGION	NUMBER OF RESPONDING PROGRAMS	FACULTY ACTIVITIES				
		Class Hours	Clinical Hours	Advisement	Preparation for Teaching	Committee Activities
BACCALAUREATE AND HIGHER DEGREE PROGRAMS						
All Regions	568	4.6	12.2*	3.9	9.4	4.0
North Atlantic	136	4.4	11.2	3.6	9.4	4.0
Midwestern	176	4.6	12.5	3.6	9.8	3.8
Southern	182	4.7	12.6	4.2	8.7	4.0
Western	74	4.7	12.8	4.2	10.1	4.6
ASSOCIATE DEGREE PROGRAMS						
All Regions	668	4.7	13.6	3.8	8.3	2.9
North Atlantic	109	4.2	12.5	3.5	6.9	3.4
Midwestern	178	4.9	13.7	3.7	8.7	2.6
Southern	261	4.7	13.4	4.1	8.6	3.1
Western	120	4.7	14.7	3.5	8.2	2.7
DIPLOMA PROGRAMS						
All Regions	164	5.2	17.5	3.1	7.6	2.9
North Atlantic	81	5.1	16.8	3.2	7.2	3.1
Midwestern	52	5.7	18.3	2.9	8.3	2.7
Southern	30	5.1	17.7	3.0	7.3	2.8
Western	1	1.0	21.0	5.0	11.0	4.0

* Significant difference at .05 level.

Comparison of Faculty Teaching Hours Per Week by Type of Baccalaureate Program and NLN Region (Table F-28)

- Table F-28 presents a comparison of faculty teaching load by NLN region in baccalaureate programs with generic students and those programs who admit registered nurse students only.
- Faculty teaching in baccalaureate programs for registered nurses teach significantly more classroom hours and less clinical hours than those faculty teaching in generic baccalaureate programs. This difference is consistent across all NLN regions.
- The North Atlantic region has significantly lower number of hours of clinical teaching than the Western region in both types of baccalaureate programs.

Table F-28
COMPARISON OF FACULTY TEACHING HOURS PER WEEK BY TYPE OF BACCALAUREATE PROGRAM AND NLN REGION:1988

NLN REGION	NUMBER OF RESPONDING PROGRAMS	MEAN NUMBER OF HOURS PER FACULTY ACTIVITY				
		Class Hours	Clinical Hours	Advisement	Preparation for Teaching	Committee Activities
GENERIC BACCALAUREATE PROGRAMS						
All Regions	437	4.2	13.2	3.8	9.4	4.0
North Atlantic	94	3.7	12.5	3.5	9.2	3.8
Midwestern	138	4.4	13.5	3.6	10.2	3.9
Southern	151	4.3	13.2	4.2	8.5	4.0
Western	54	4.3	13.9	3.9	10.0	4.6
BACCALAUREATE PROGRAMS FOR REGISTERED NURSES						
All Regions	129	6.0	8.8	4.2	9.3	4.2
North Atlantic	41	6.0	8.2	3.9	9.9	4.6
Midwestern	38	5.5	8.5	3.7	8.2	3.6
Southern	30	6.8	9.3	4.4	9.3	4.0
Western	20	5.9	9.6	5.3	10.4	4.9

Comparison of Faculty Teaching Hours Per Week by NLN Accreditation Status and Program Type (Table F-29)

- The comparison of faculty teaching hours by accreditation status and program type is presented in Table F-29.
- In general, faculty teaching in accredited programs teach less class hours per week than those in non-accredited programs.
- On the average, faculty in non-accredited associate degree programs teach more clinical hours than those in accredited programs.

Table F-29
COMPARISON OF FACULTY TEACHING HOURS PER WEEK BY NLN ACCREDITATION STATUS AND PROGRAM TYPE: 1988
(Mean Number of Hours)

NLN ACCREDITATION STATUS	NUMBER OF RESPONDING PROGRAMS	FACULTY ACTIVITIES				
		Class Hours	Clinical Hours	Advisement	Preparation for Teaching	Committee Activities
BACCALAUREATE AND HIGHER DEGREE PROGRAMS						
All Programs	564	4.6	12.2	3.9	9.4	4.0
Accredited	464	4.5	12.6	3.9	9.6	3.9
Non-Accredited	100	5.1	10.3	3.9	8.4	4.5
ASSOCIATE DEGREE PROGRAMS						
All Programs	684	4.7	13.6	3.8	8.3	2.9
Accredited	432	4.3	13.4	3.7	7.9	3.2
Non-Accredited	252	5.4	14.0	3.9	8.8	2.5
DIPLOMA PROGRAMS						
All Programs	164	5.2	17.5	3.1	7.6	2.9
Accredited	163	5.3	17.5	3.1	7.6	2.9
Non-Accredited	1	8.0	20.0	2.0	8.0	1.0

Comparison of Faculty Teaching Hours Per Week by Type of Baccalaureate Program and NLN Accreditation Status (Table F-30)

- The breakdown of average faculty teaching hours by type of baccalaureate program and accreditation status is presented in Table F-30.
- In general, faculty teaching in accredited baccalaureate programs teach more classroom and more clinical hours per week than faculty in non-accredited programs in both generic and RN only baccalaureate programs.
- Non-accredited generic baccalaureate programs report a higher number of committee hours than accredited programs, and more hours than both accredited and non-accredited baccalaureate programs for registered nurses.

Table F-30
COMPARISON OF FACULTY TEACHING HOURS PER WEEK BY TYPE OF BACCALAUREATE PROGRAM AND NLN ACCREDITATION STATUS:1988

NLN ACCREDITATION STATUS	NUMBER OF RESPONDING PROGRAMS	MEAN NUMBER OF HOURS PER FACULTY ACTIVITY				
		Class Hours	Clinical Hours	Advisement	Preparation for Teaching	Committee Activities
GENERIC BACCALAUREATE PROGRAMS						
All Programs	436	4.2	13.2	3.8	9.4	4.0
Accredited	381	4.6	13.3	3.8	9.4	3.9
Non-Accredited	55	4.1	12.4	3.8	9.1	4.8
BACCALAUREATE PROGRAMS FOR REGISTERED NURSES ONLY						
All Programs	128	6.0	8.8*	4.2	9.3**	4.2
Accredited	83	6.2	9.3	4.3	10.3	4.3
Non-Accredited	45	5.8	7.7	4.0	7.5	4.1

* Significant difference at .05 level

** Significant difference at .01 level

Comparison of Faculty Teaching Hours Per Week by Type of Institutional Support and Program Type (Table F-31)

- Table F-31 presents a comparison of average faculty teaching hours by type of institutional support: public, private secular, versus private religious support.
- The private secular diploma programs report a higher number of faculty clinical teaching hours than other types of diploma programs.
- In baccalaureate and associate degree programs the publicly supported institutions have higher average clinical teaching hours.

Table F-31
COMPARISON OF FACULTY TEACHING HOURS PER WEEK BY INSTITUTIONAL SUPPORT AND PROGRAM TYPE:1988

INSTITUTIONAL SUPPORT	NUMBER OF RESPONDING PROGRAMS	MEAN NUMBER OF HOURS PER FACULTY ACTIVITY				
		Class Hours	Clinical Hours	Advisement	Preparation for Teaching	Committee Activities
BACCALAUREATE AND HIGHER DEGREE PROGRAMS						
All Programs	565	4.6	12.2	3.9	9.3	4.0
Public	288	4.5	12.4	4.1	9.3	4.0
Private	103	4.7	11.6	3.6	9.8	4.1
Private: Religious	174	4.6	12.2	3.8	9.3	4.0
ASSOCIATE DEGREE PROGRAMS						
All Programs	684	4.7	13.6	3.8	8.3	2.9
Public	603	4.7	13.7	3.8	8.3	2.9
Private	40	4.8	13.0	3.5	7.7	3.2
Private: Religious	41	4.2	13.3	3.6	8.5	3.1
DIPLOMA PROGRAMS						
All Programs	162	5.2	17.5	3.1	7.6	2.9
Public	32	5.0	16.1	2.9	7.8	3.1
Private	96	5.2	18.0	3.0	7.2	2.9
Private: Religious	34	5.4	17.4	3.5	8.4	2.9

Comparison of Faculty Teaching Hours Per Week by Type of Baccalaureate Program and Institutional Support (Table F-32)

- The comparison of generic baccalaureate programs and programs that admit registered nurses only by type of institutional support (public, private, secular, versus private religious) is presented in Table F-32.
- Faculty teaching in private (secular) generic baccalaureate programs tend to teach the highest number of class hours and the lowest number of clinical hours of all generic baccalaureate programs.
- In baccalaureate programs for registered nurses, faculty teaching in private secular supported programs tend to teach less class hours and spend less time on advisement than other RN programs.

Table F-32
MEAN NUMBER OF FACULTY TEACHING HOURS PER WEEK BY TYPE OF BACCALAUREATE PROGRAM AND INSTITUTIONAL SUPPORT:1988

INSTITUTIONAL CONTROL	NUMBER OF RESPONDING PROGRAMS	FACULTY ACTIVITIES				
		Class Hours	Clinical Hours	Advisement	Preparation for Teaching	Committee Activities
GENERIC BACCALAUREATE PROGRAMS						
All Programs	436	4.2	13.2	3.8	9.4	4.0
Public	222	4.0	13.5	4.0	9.3	3.8
Private	78	4.6	12.6	3.5	10.4	4.1
Private: Religious	137	4.3	13.2	3.7	9.0	4.2
BACCALAUREATE PROGRAMS FOR REGISTERED NURSES ONLY						
All Programs	128	6.0	8.8	4.2	9.3	4.2*
Public	65	6.2	8.7	4.2	9.4	4.8
Private	26	5.2	8.7	3.8	8.1	3.7
Private: Religious	37	6.4	8.9	4.3	10.1	3.6

* Significant difference at .05 level.

Comparison of Graduate Faculty Teaching Hours by NLN Region, Accreditation Status, and Institutional Support (Table F-33)

- Table F-33 summarizes information about graduate teaching hours. Comparison is made in terms of NLN region, accreditation status, institutional support (public, private secular, versus private religious). In addition, the 25th, 50th, and 75th percentiles for each type of teaching activity are presented. The median value (50th percentile) is a measure of the typical program in that half of the programs are equal to or below the median, and the other half are greater than the median.

- Graduate faculty teaching in the Western region tend to teach more class hours, more clinical hours, have higher preparation hours, more committee hours, and community service than faculty in other regions. Faculty in the Midwestern region tend to have more research hours in a typical work week.

- Accredited graduate programs report a higher number of faculty class and clinical teaching hours, and less preparation time and research hours.

- Publicly supported programs report a higher number of class teaching hours, clinical teaching hours, preparation time, research, and community service.

- Most of the graduate programs report the typical faculty member teaches 6 class hours a week, 6 clinical hours, spends 8 hours on preparation, 4 hours on committees, 8 hours on research, and 4 hours in community service.

Table F-33
MEAN NUMBER OF GRADUATE FACULTY TEACHING HOURS BY NLN REGION, ACCREDITATION STATUS, AND INSTITUTIONAL SUPPORT:1988

CATEGORY	NUMBER OF RESPONDING PROGRAMS	FACULTY ACTIVITIES					
		Class Hours	Clinical Hours	Preparation	Committees	Research	Community Service
NLN REGION							
All Regions	145	6.2	6.8	9.6	4.4	8.2	3.8
North Atlantic	33	5.2	7.2	7.9	4.3	7.9	3.6
Midwestern	37	6.3	5.3	10.2	4.5	9.2	3.4
Southern	48	6.1	7.1	8.2	4.0	7.5	4.0
Western	27	7.2	8.1	13.3	5.3	8.6	4.6
ACCREDITATION STATUS							
Accredited	140	6.7	6.7	5.3	4.4	8.2	3.8
Non-Accredited	5	6.2	1.3	10.0	4.0	9.3	2.7
INSTITUTIONAL SUPPORT							
Public	104	6.4	7.1	10.0	4.5	8.6	4.0
Private	18	6.0	6.9	8.4	4.6	7.2	3.5
Private: Religious	23	5.8	5.9	8.5	4.2	7.1	3.2
PERCENTILES: ALL PROGRAMS							
25th	–	4	4	6	3	5	2
50th	–	6	6	8	4	8	4
75th	–	6	9	10	6	10	5

Faculty Workload—Number of Students For a Typical Full-time Faculty Member by Program Type (Table F-34)

- A comparison of the typical number of students in classroom and clinical teaching in each type of program is presented in Table F-34.
- Associate degree programs tend to have the highest number of students in the classroom.
- On the average, faculty have 9 students in the clinical teaching area.

Table F-34

FACULTY WORKLOAD: NUMBER OF STUDENTS FOR A TYPICAL FULL-TIME FACULTY MEMBER BY PROGRAM TYPE :1988

FACULTY ACTIVITY	ALL PROGRAMS			BACCALAUREATE PROGRAMS			ASSOCIATE DEGREE PROGRAMS			DIPLOMA PROGRAMS		
	Mean	s.d.	Range	Mean	s.d.	Range	Mean	s.d.	Range	Mean	s.d.	Range
Classroom Teaching	32.0	16.7	4-150	30.2	18.6	4-130	34.4	16.4	4-150	28.7	15.2	4-93
Clinical Teaching	9.0	3.5	1-67	8.8	3.4	1-67	9.5	2.6	4-47	7.2	7.2	4-23

Faculty Workload—Number of Students in Classroom and Clinical Teaching by Type of Program—Percentiles (Table F-35)

- Table F-35 shows the 25th, 50th, and 75th percentiles for the typical number of students in classroom and clinical teaching by type of program.
- Associate degree programs have the highest median (50th percentile) number of students in the clinical area with 10 students and the highest median number of students in the classroom (30 students).
- Diploma programs report the lowest number of students in classroom and clinical teaching.

Table F-35
FACULTY WORKLOAD: NUMBER OF STUDENTS BY CLASSROOM AND CLINICAL TEACHING BY TYPE OF PROGRAM: 1988 (PERCENTILES)

FACULTY ACTIVITY	ALL PROGRAMS			BACCALAUREATE PROGRAMS			ASSOCIATE DEGREE PROGRAMS			DIPLOMA PROGRAMS		
	25th	50th	75th	25th	50th	75th	25th	50th	75th	25th	50th	75th
Classroom Teaching	20	27	40	18	25	40	24	30	40	18	27	37
Clinical Teaching	8	9	10	8	9	10	8	10	10	6	8	9

Comparison of Number of Students in Classroom and Clinical Teaching by Type of Program and NLN Region (Table F-36)

- Table F-36 compares the mean number of students in classroom and clinical teaching by type of program and NLN region.
- There is a significantly higher number of students in the clinical group in the Western region in baccalaureate and associate degree programs.
- In associate degree programs in the North Atlantic region there is a significantly higher number of students in the classroom.

Table F-36

COMPARISON OF NUMBER OF STUDENTS IN CLASSROOM AND CLINICAL TEACHING BY TYPE OF PROGRAM AND NLN REGION:1988

(Mean Number of Students)

NLN REGION	Number of Responding Programs	Classroom Teaching	Clinical Teaching
BACCALAUREATE AND HIGHER DEGREE PROGRAMS			
All Regions	568	30.2	8.8**
North Atlantic	136	33.3	8.9
Midwestern	176	28.3	8.3
Southern	182	29.7	8.5
Western	74	29.9	10.6
ASSOCIATE DEGREE PROGRAMS			
All Regions	668	34.4*	9.5*
North Atlantic	109	38.4	9.2
Midwestern	178	31.5	9.1
Southern	261	35.5	9.5
Western	120	32.7	10.2
DIPLOMA PROGRAMS			
All Regions	164	28.7	7.2
North Atlantic	81	27.8	7.2
Midwestern	52	29.1	7.1
Southern	30	29.3	7.6
Western	1	50.0	10.0

* Significant difference < .05 level.
** Significant difference < .000 level.

Comparison of Number of Students in Classroom and Clinical Teaching in Baccalaureate Degree Programs by Type of Program and NLN Region (Table F-37)

- A comparison by NLN region of generic baccalaureate programs and baccalaureate programs that admit registered nurses only is presented in Table F-37.
- There is a significant difference in class size by NLN region within generic baccalaureate programs, with the North Atlantic region having the highest number of students.
- There is a significant difference in clinical group size by NLN region for both generic baccalaureate programs and baccalaureate programs for registered nurses. The Western region has a significantly higher number of students in the clinical area on the average.

Table F-37

COMPARISON OF NUMBER OF STUDENTS IN CLASSROOM AND CLINICAL TEACHING IN BACCALAUREATE DEGREE PROGRAMS BY TYPE OF PROGRAM AND NLN REGION:1988

(Mean Number of Students)

NLN REGION	Number of Responding Programs	Classroom Teaching	Clinical Teaching
GENERIC BACCALAUREATE PROGRAMS			
All Regions	437	33.6*	8.6**
North Atlantic	94	39.5	8.7
Midwestern	138	31.0	8.2
Southern	151	32.4	8.6
Western	54	33.5	9.6
BACCALAUREATE PROGRAMS FOR REGISTERED NURSES ONLY			
All Regions	129	18.6	9.5*
North Atlantic	41	19.4	9.4
Midwestern	38	18.8	8.9
Southern	30	15.7	8.2
Western	20	20.6	13.2

*Significant difference < .05 level.

**Significant difference < .001 level.

SALARIES IN NURSING EDUCATION (Tables F-38 to F-47)

- This section presents information about the annual salaries of administrators and full-time faculty in nursing education programs. Salaries are presented according to highest earned credential, NLN region, and type of nursing program.

- *Data Collection:* Each program was asked to provide the following information for the 1987-88 academic year: number of faculty and total salary expenditure by faculty highest credential, academic rank, and academic versus calendar year appointment.

- Because of the nomenclature used in diploma programs, different categories for rank and highest credential were used. These variations are presented in each table where data from diploma program faculty are listed.

- *Academic Year versus Calendar Year:* Patterns of faculty appointment vary greatly among schools. Academic year appointments are usually made for 9 to 10 months. Appointments for a calendar year are usually for 11 months (with one month vacation per year). Some calendar year appointments do not require faculty to teach in the summer, enabling them to do research and clinical practice. Similarly, many academic year appointments carry the expectation that faculty will do scholarly research and/or clinical practice in the summer.

- The percentage of chief administrators and full-time faculty on *academic year appointment* is as follows:

	Baccalaureate and Higher Degree Programs		Associate Degree
Position	Generic Programs	RN Programs	Programs
Chief Administrator	28.7%	50.9%	35.9%
Professor	66.1%	47.6%	90.1%
Associate Professor	76.2%	76.4%	89.8%
Assistant Professor	85.5%	80.2%	92.0%
Instructor	84.6%	80.6%	83.2%
Other	69.4%	37.5%	90.3%

Position	Diploma Programs
Chief Administrator	6.5%
Asst. Admin./Dept. Head	93.2%
Instructor	29.2%
Other	21.4%

Salaries of Administrators and Full-Time Faculty by Program Type (Table F-38)

- The mean salaries of the chief administrators of nursing education programs are presented in Table F-38, by program type and highest earned credential. Mean salaries are presented separately for administrators with academic year and calendar year appointments.

- Analysis of the mean salary for administrators by program type showed that those with doctoral preparation in generic baccalaureate programs with a calendar year appointment had the highest mean salary ($57,700 per year).

- Doctorally prepared chief administrators of BRN programs had a mean salary of $38,600 for the academic year. Associate degree programs had the lowest mean salary for administrators ($32,781) for an academic year-appointment.

- Administrators with doctoral degrees earned considerably more than those with master's degrees. In generic baccalaureate programs, the doctorate made a difference of at least $13,000 per year on the average for chief administrators.

- In associate degree and in BRN programs there was a difference of at least $8,000 in mean salary between chief administrators prepared at the doctoral level and those prepared at the master's level.

- Table F-38 also shows a comparison of the mean salary for faculty in each type of nursing education program by type of appointment, and highest earned credential. A separate set of categories is used to list rank and highest credential in diploma programs in order to provide information more relevant to diploma education. In addition, there are separate listings for mean salaries of faculty in baccalaureate and higher degree programs that admit generic students versus those that admit registered nurses only.

- In general, the higher the academic credential, the higher the salary.

- The highest salaries are reported for administrators and professors with doctorates in generic baccalaureate and higher degree programs.

Table F-38

MEAN SALARIES OF FULL-TIME FACULTY AND ADMINISTRATORS, BY HIGHEST CREDENTIAL, TYPE OF APPOINTMENT, AND PROGRAM

RANK AND HIGHEST CREDENTIAL	BACCALAUREATE AND HIGHER DEGREE PROGRAMS				ASSOCIATE DEGREE PROGRAMS	
	Generic Students		RN Students Only			
	Academic Year	Calendar Year	Academic Year	Calendar Year	Academic Year	Calendar Year
CHIEF ADMINISTRATIVE OFFICER						
Doctorate	$42,600	$57,700	$38,600	$47,100	$42,100	$45,100
Master's Degree (Nursing)	29,300	39,800	29,500	39,400	33,900	38,600
Other Credential	*	*	*	—	33,500	36,000
PROFESSOR						
Doctorate	43,900	54,500	41,900	33,600	40,400	38,000
Master's Degree (Nursing)	41,900	33,600	*	*	36,800	35,300
Other Credential	*	*	*	*	39,300	*
ASSOCIATE PROFESSOR						
Doctorate	35,600	45,300	32,900	42,100	31,800	35,400
Master's Degree (Nursing)	31,000	36,500	28,800	35,700	31,100	25,100
Other Credential	32,400	34,000	*	—	29,500	28,000
ASSISTANT PROFESSOR						
Doctorate	31,700	31,800	29,900	39,800	28,900	*
Master's Degree (Nursing)	25,900	31,400	25,900	30,300	25,600	27,700
Other Credential	24,600	37,700	*	—	27,300	22,800
INSTRUCTOR						
Master's Degree (Nursing)/Doctorate	23,100	27,900	24,600	21,500	27,700	30,900
Other Credential	22,000	25,800	21,900	28,800	26,800	27,000
OTHER POSITION/RANK						
Master's Degree (Nursing)/Doctorate	23,200	25,700	*	*	24,900	22,800
Other Credential	25,800	*	0	*	21,700	*

DIPLOMA PROGRAM: POSITION AND HIGHEST CREDENTIAL	DIPLOMA PROGRAMS	
	Academic Year	Calendar Year
CHIEF ADMINISTRATOR		
Doctorate	*	$43,400
Master's Degree (Nursing)	*	45,000
Other Credential	*	41,800
ASSOCIATE/ASSISTANT ADMINISTRATOR; DEPT. HEAD		
Doctorate	—	39,700
Master's Degree (Nursing)	*	38,600
Other Credental	*	38,300
INSTRUCTOR		
Master's (Nursing)/Doctorate	$28,800	31,100
Master's (Non-Nursing)	30,200	30,700
Baccalaureate (Nursing)	22,900	28,900
Other Credential	26,200	30,900
OTHER FACULTY		
Master's (Nursing)/Doctorate	34,000	37,700
Master's (Non-Nursing)	29,700	32,900
Baccalaureate (Nursing)	*	27,100
Other Credential	22,800	25,800

* Too few data to warrant publication.

SALARIES OF ADMINISTRATORS (Figures F-11 to F-13)

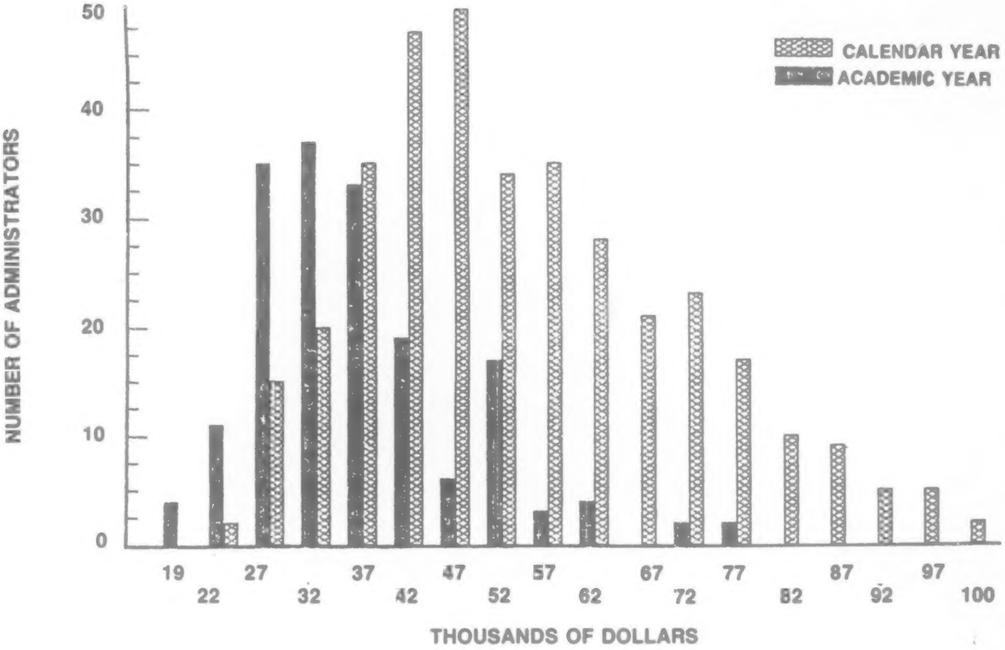
- Figures F-11 to F-13 present the distributions of the salaries of the administrators of nursing programs in graph form. Salaries are listed in $5,000 increments along the bottom of the graph.

Salaries of Administrators of Baccalaureate and Higher Degree Programs (Figure F-11)

- Figure F-11 shows the distribution of salaries of the chief administrators of baccalaureate and higher degree programs. These salaries range from as low as $18,000 to $106,000.
- The majority of salaries fall between $30,000 and $60,000, and the mode (the interval with the highest frequency of responses) is $47,000.

Figure F-11

SALARY OF CHIEF ADMINISTRATORS OF BACCALAUREATE AND HIGHER DEGREE PROGRAMS

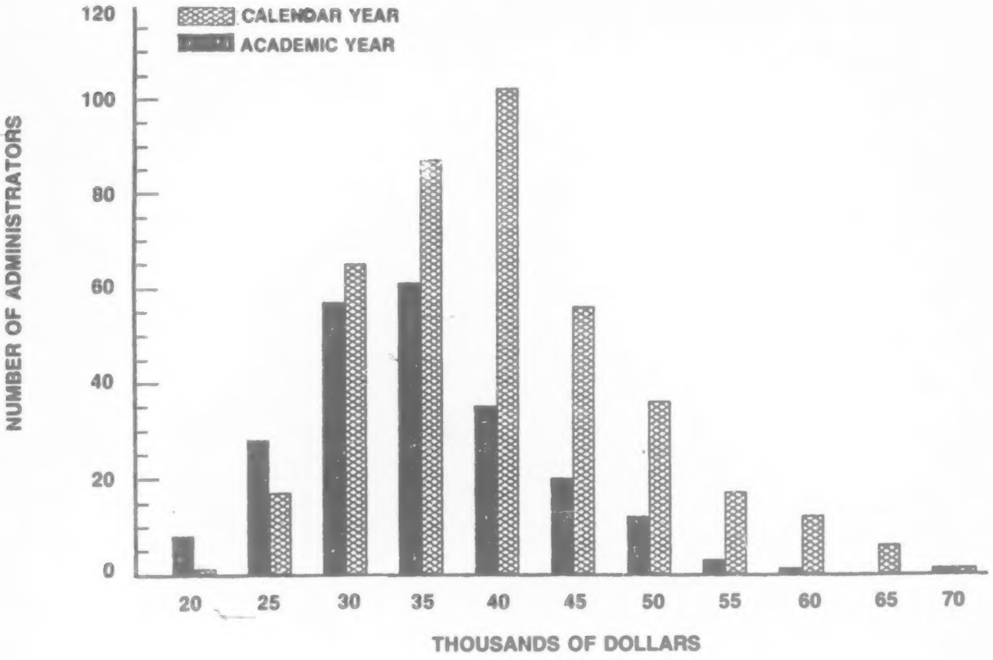


Salaries of Administrators of Associate Degree Programs (Figure F-12)

- Figure F-12 shows the distribution of salaries of the chief administrators of associate degree programs.
- The majority of salaries fall between $30,000 and $45,000, with the mode (the interval with the highest frequency) being very similar for $35,000 and $40,000.

Figure F-12

SALARY OF CHIEF ADMINISTRATORS OF ASSOCIATE DEGREE PROGRAMS

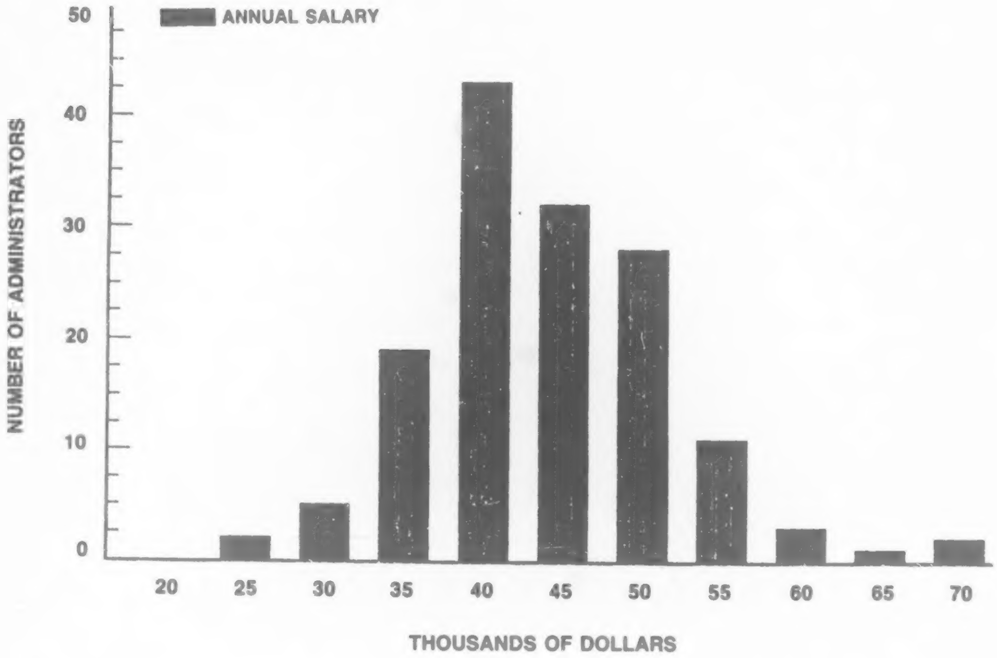


Salaries of Administrators of Diploma Programs (Figure F-13)

- Figure F-13 shows the distribution of salaries of the chief administrators of diploma programs.
- The majority of salaries are in the intervals from $40,000 to $50,000, with the mode (the interval with the highest frequency) at $40,000.

Figure F-13

SALARY OF CHIEF ADMINISTRATORS OF DIPLOMA PROGRAMS



Comparison of Mean Salaries of Administrators and Faculty in Baccalaureate and Higher Degree Programs by NLN Region (Table F-39, F-40, and F-41)

- A comparison of salaries of administrators and faculty in baccalaureate and higher degree programs by NLN region is presented in Table F-39.
- In general, salaries of administrators and faculty tend to be higher in generic baccalaureate and higher degree programs compared with the salaries of administrators and faculty in programs that admit registered nurses only.
- Most baccalaureate administrators are employed on a calendar year basis and on the average they earn about $58,000 a year.
- There is no consistent trend in salaries by NLN region.

Table F-39

MEAN SALARIES OF ADMINISTRATORS IN BACCALAUREATE AND HIGHER DEGREE PROGRAMS BY HIGHEST CREDENTIAL AND NLN REGION:1988

HIGHEST CREDENTIAL BY TYPE OF APPOINTMENT	NORTH ATLANTIC REGION		MIDWESTERN REGION		SOUTHERN REGION		WESTERN REGION	
	Number	Mean Salary	Number	Mean Salary	Number	Mean Salary	Number	Mean Salary
GENERIC BACCALAUREATE AND HIGHER DEGREE PROGRAMS								
Doctorate								
Academic Year	22	$42,000	22	$38,100	18	$43,800	16	$48,400
Calendar Year	55	57,900	75	56,500	104	58,300	30	58,300
Master's Degree (Nursing)								
Academic Year	6	36,700	16	28,300	16	26,000	1	*
Calendar Year	6	43,700	8	40,500	9	37,700	3	*
Other Credential								
Academic Year	0	—	4	*	0	—	0	—
Calendar Year	0	—	1	*	0	—	0	—
BACCALAUREATE AND HIGHER DEGREE PROGRAMS FOR REGISTERED NURSES ONLY								
Doctorate								
Academic Year	15	$38,400	9	$37,100	5	$40,000	6	$40,300
Calendar Year	15	45,900	12	46,700	13	43,200	6	59,700
Master's Degree (Nursing)								
Academic Year	5	*	9	29,900	4	*	4	*
Calendar Year	4	*	6	39,500	3	*	3	*
Other Credential								
Academic Year	0	—	0	—	1	*	0	—
Calendar Year	0	—	0	—	0	—	0	—

*Too few data to warrant publication.

Table F-40
MEAN SALARIES OF FACULTY IN GENERIC BACCALAUREATE AND HIGHER DEGREE PROGRAMS BY HIGHEST CREDENTIAL, TYPE OF APPOINTMENT, AND NLN REGION:1988

RANK HIGHEST CREDENTIAL TYPE OF APPOINTMENT	NORTH ATLANTIC REGION		MIDWESTERN REGION		SOUTHERN REGION		WESTERN REGION	
	Number	Mean Salary	Number	Mean Salary	Number	Mean Salary	Number	Mean Salary
PROFESSOR								
Doctorate								
Academic Year	91	$46,000	80	$42,300	91	$42,300	53	$45,600
Calendar Year	14	49,900	44	55,500	100	54,000	45	55,900
Master's Degree (Nursing)								
Academic Year	11	41,400	13	36,700	17	29,000	47	47,800
Calendar Year	1	*	1	*	6	22,800	2	*
Other Credential								
Academic Year	0	—	0	—	4	*	0	—
Calendar Year	0	—	1	*	0	—	0	—
ASSOCIATE PROFESSOR								
Doctorate								
Academic Year	207	36,300	166	35,000	235	34,900	132	36,000
Calendar Year	36	50,000	80	44,100	162	45,200	60	44,000
Master's Degree (Nursing)								
Academic Year	135	33,200	229	29,000	183	30,400	96	33,500
Calendar Year	13	39,200	21	35,000	67	36,200	20	37,300
Other Credential								
Academic Year	10	35,900	15	30,600	7	31,200	4	*
Calendar Year	0	—	3	*	3	*	0	—
ASSISTANT PROFESSOR								
Doctorate								
Academic Year	225	32,600	174	32,200	208	30,500	86	31,300
Calendar Year	35	38,600	51	33,100	111	29,000	36	32,100
Master's Degree (Nursing)								
Academic Year	581	26,700	764	25,200	745	25,700	225	27,400
Calendar Year	36	36,300	41	30,400	202	30,400	18	33,800
Other Credential								
Academic Year	4	*	16	25,100	12	20,200	9	26,300
Calendar Year	2	*	6	30,500	7	45,900	2	*
INSTRUCTOR								
Master's Degree (Nursing)								
Doctorate								
Academic Year	246	23,600	390	22,400	294	22,800	130	25,000
Calendar Year	22	32,300	59	27,300	91	26,900	7	32,900
Other Credential								
Academic Year	26	26,200	34	21,300	44	19,700	9	23,600
Calendar Year	0	—	4	*	32	25,700	0	—
OTHER POSITION/RANK								
Master's Degree (Nursing)/ Doctorate								
Academic Year	64	28,000	55	22,800	62	23,300	36	23,900
Calendar Year	75	18,300	12	27,700	14	32,100	3	*
Other Credential								
Academic Year	9	24,200	14	19,600	20	24,200	15	19,500
Calendar Year	0	—	5	*	10	31,000	2	*

*Too few data to warrant publication.

Table F-41

MEAN SALARIES OF FACULTY IN BACCALAUREATE AND HIGHER DEGREE PROGRAMS THAT ADMIT REGISTERED NURSES ONLY BY HIGHEST CREDENTIAL, TYPE OF APPOINTMENT, AND NLN REGION:1988

RANK HIGHEST CREDENTIAL TYPE OF APPOINTMENT	NORTH ATLANTIC REGION		MIDWESTERN REGION		SOUTHERN REGION		WESTERN REGION	
	Number	Mean Salary	Number	Mean Salary	Number	Mean Salary	Number	Mean Salary
PROFESSOR								
Doctorate								
Academic Year	9	$38,900	6	$40,500	6	$34,300	8	$44,600
Calendar Year	1	*	5	*	3	*	15	60,000
Master's Degree (Nursing)								
Academic Year	2	*	0	—	1	*	0	—
Calendar Year	1	*	4	*	0	—	4	*
Other Credential								
Academic Year	0	—	0	—	0	—	0	—
Calendar Year	0	—	0	—	0	—	0	—
ASSOCIATE PROFESSOR								
Doctorate								
Academic Year	18	37,000	12	31,900	11	31,200	13	29,600
Calendar Year	5	*	3	*	1	*	15	48,800
Master's Degree (Nursing)								
Academic Year	16	30,100	24	29,800	11	23,200	13	30,200
Calendar Year	5	*	1	*	5	*	2	*
Other Credential								
Academic Year	0	—	2	*	0	—	0	—
Calendar Year	0	—	0	—	0	—	0	—
ASSISTANT PROFESSOR								
Doctorate								
Academic Year	12	29,400	11	29,500	1	*	2	*
Calendar Year	2	*	5	*	1	*	12	43,300
Master's Degree (Nursing)								
Academic Year	54	26,000	58	26,200	65	24,900	18	25,900
Calendar Year	25	30,000	5	*	5	*	0	—
Other Credential								
Academic Year	2	*	0	—	0	—	0	—
Calendar Year	0	—	0	—	0	—	0	—
INSTRUCTOR								
Master's Degree (Nursing)/ Doctorate								
Academic Year	19	23,300	11	23,800	9	23,200	2	*
Calendar Year	4	*	5	*	1	*	0	—
Other Credential								
Academic Year	2	*	4	*	2	*	1	*
Calendar Year	0	—	2	*	0	—	0	—
OTHER POSITION/RANK								
Master's Degree (Nursing)/ Doctorate								
Academic Year	0	—	1	*	0	—	2	*
Calendar Year	0	—	1	*	0	—	3	*
Other Credential								
Academic Year	0	—	0	—	0	—	0	—
Calendar Year	0	—	0	—	0	—	1	*

*Too few data to warrant publication.

Salaries of Administrators and Faculty in Associate Degree Programs by NLN Region (Table F-42 and F-43)

- A comparison of mean salaries by NLN region for administrators and faculty in associate degree programs is presented in Table F-42 and F-43.

- There is no consistent pattern of salary differences by NLN region for either administrators or faculty.

- There is a very large variation in faculty salaries within the NLN region and the faculty ranks. In particular, for instructors the range of salaries was from $15,000 and $60,000. In some programs all faculty are considered instructors, therefore, these salary ranges may reflect the faculty with more experience and may be more comparable to the associate or full professor level at other institutions.

Table F-42

MEAN SALARIES OF ADMINISTRATORS IN ASSOCIATE DEGREE PROGRAMS BY HIGHEST CREDENTIAL, TYPE OF APPOINTMENT, AND NLN REGION:1988

HIGHEST CREDENTIAL BY TYPE OF APPOINTMENT	NORTH ATLANTIC REGION		MIDWESTERN REGION		SOUTHERN REGION		WESTERN REGION	
	Number	Mean Salary	Number	Mean Salary	Number	Mean Salary	Number	Mean Salary
Doctorate								
Academic Year	10	$39,600	4	*	14	$39,800	6	$53,000
Calendar Year	12	44,500	19	$44,800	54	43,700	17	50,000
Master's Degree (Nursing)								
Academic Year	42	35,500	44	34,000	48	31,300	38	33,400
Calendar Year	26	41,700	68	38,100	101	36,600	54	41,500
Other Credential								
Academic Year	2	*	7	31,000	6	36,000	5	*
Calendar Year	2	*	25	35,400	21	33,600	5	*

* Too few data to warrant publication.

Table F-43

MEAN SALARIES OF FACULTY IN ASSOCIATE DEGREE PROGRAMS BY HIGHEST CREDENTIAL, TYPE OF APPOINTMENT, AND NLN REGION:1988

RANK HIGHEST CREDENTIAL TYPE OF APPOINTMENT	NORTH ATLANTIC REGION		MIDWESTERN REGION		SOUTHERN REGION		WESTERN REGION	
	Number	Mean Salary	Number	Mean Salary	Number	Mean Salary	Number	Mean Salary
PROFESSOR								
Doctorate								
Academic Year	18	$46,000	5	$37,400	18	$36,700	15	$39,200
Calendar Year	2	*	0	—	9	34,300	0	—
Master's Degree (Nursing)								
Academic Year	84	39,800	24	36,000	41	35,600	59	33,800
Calendar Year	5	37,400	1	*	9	35,700	6	31,000
Other Credential								
Academic Year	10	36,900	2	*	18	28,800	17	52,200
Calendar Year	0	—	1	*	1	*	0	—
ASSOCIATE PROFESSOR								
Doctorate								
Academic Year	8	32,500	6	30,200	9	30,300	8	34,000
Calendar Year	1	*	1	*	6	35,800	0	—
Master's Degree (Nursing)								
Academic Year	190	32,600	90	32,600	183	27,600	51	32,500
Calendar Year	6	35,000	6	32,300	41	22,900	3	*
Other Credential								
Academic Year	30	32,100	11	32,400	33	24,900	10	33,800
Calendar Year	6	27,600	5	*	0	—	0	—
ASSISTANT PROFESSOR								
Doctorate								
Academic Year	7	34,100	4	*	13	25,300	7	30,000
Calendar Year	0	—	0	—	1	*	0	—
Master's Degree (Nursing)								
Academic Year	233	26,400	160	24,600	394	25,000	80	28,300
Calendar Year	15	27,800	3	*	50	28,800	12	22,900
Other Credential								
Academic Year	39	30,800	32	25,300	47	27,400	13	21,500
Calendar Year	0	—	1	*	5	*	2	*
INSTRUCTOR								
Master's Degree (Nursing)/ Doctorate								
Academic Year	119	23,800	409	28,700	541	25,700	333	31,200
Calendar Year	23	36,500	15	32,500	156	29,000	28	27,800
Other Credential								
Academic Year	36	22,600	266	28,100	186	23,900	144	29,200
Calendar Year	29	32,600	58	23,900	97	26,600	9	18,100
OTHER POSITION/RANK								
Master's Degree (Nursing)/ Doctorate								
Academic Year	4	*	20	27,300	9	25,700	5	*
Calendar Year	0	—	2	*	5	*	0	—
Other Credential								
Academic Year	14	16,800	17	24,900	19	22,400	5	*
Calendar Year	1	*	1	*	1	*	0	—

*Too few data to warrant publication.

Salaries of Administrators and Faculty in Diploma Programs by NLN Region (Table F-44 and F-45)

- Table F-44 lists mean salaries of administrators in diploma programs by NLN region. Table F-45 lists mean salaries of faculty in diploma programs by NLN region.
- Administrators in the Southern region tend to earn higher salaries than those in other regions.
- There is no significant pattern in average salaries by NLN region.

Table F-44

MEAN SALARIES OF ADMINISTRATORS IN DIPLOMA PROGRAMS BY HIGHEST CREDENTIAL, TYPE OF APPOINTMENT, AND NLN REGION:1988

HIGHEST CREDENTIAL BY TYPE OF APPOINTMENT	NORTH ATLANTIC REGION		MIDWESTERN REGION		SOUTHERN REGION		WESTERN REGION	
	Number	Mean Salary	Number	Mean Salary	Number	Mean Salary	Number	Mean Salary
CHIEF ADMINISTRATORS								
Doctorate								
Academic Year	1	*	1	*	2	*	0	—
Calendar Year	8	$45,100	4	*	1	*	0	—
Master's (Nursing)								
Academic Year	1	*	1	*	1	*	0	—
Calendar Year	40	45,300	27	$42,500	14	$48,600	1	*
Other Credential								
Academic Year	1	*	0	—	0	—	0	—
Calendar Year	11	37,400	17	43,600	6	44,500	0	—
ASSISTANT ADMINISTRATORS/ DEPARTMENT HEAD								
Doctorate								
Academic Year	0	—	0	—	0	—	0	—
Calendar Year	3	*	2	*	1	*	0	—
Master's (Nursing)								
Academic Year	0	—	2	*	1	*	0	—
Calendar Year	28	38,700	18	37,700	8	39,600	0	—
Other Credential								
Academic Year	1	*	1	*	1	*	0	—
Calendar Year	6	40,000	9	36,400	6	39,300	0	—

*Too few data to warrant publication.

Table F-45

MEAN SALARIES OF FACULTY IN DIPLOMA PROGRAMS BY HIGHEST CREDENTIAL, TYPE OF APPOINTMENT, AND NLN REGION:1988

RANK HIGHEST CREDENTIAL TYPE OF APPOINTMENT	NORTH ATLANTIC REGION		MIDWESTERN REGION		SOUTHERN REGION		WESTERN REGION	
	Number of Faculty	Mean Salary	Number of Faculty	Mean Salary	Number of Faculty	Mean Salary	Number of Faculty	Mean Salary
INSTRUCTOR								
Master's Degree (Nursing)								
Academic Year	133	$28,700	98	$27,800	39	$31,800	0	—
Calendar Year	330	34,000	176	30,100	147	25,100	15	$37,400
Master's Degree (Non-Nursing)								
Academic Year	36	33,400	57	29,300	23	27,300	0	—
Calendar Year	86	29,200	105	30,100	54	32,800	9	39,100
Baccalaureate (Nursing)								
Academic Year	39	20,500	40	24,800	7	26,000	0	—
Calendar Year	80	29,400	103	27,700	42	29,700	2	*
Other Credential								
Academic Year	4	*	16	26,100	0	—	0	—
Calendar Year	13	40,300	26	26,600	7	29,500	0	—
OTHER FACULTY								
Master's Degree (Nursing)/ Doctorate								
Academic Year	2	*	3	*	0	—	0	—
Calendar Year	10	37,500	4	*	6	39,800	2	*
Master's Degree (Non-Nursing)								
Academic Year	10	31,000	3	*	3	*	0	—
Calendar Year	20	36,600	25	32,300	10	25,700	2	*
Baccalaureate (Nursing)								
Academic Year	0	—	4	*	0	—	0	—
Calendar Year	4	*	1	*	3	*	0	—
Other Credential								
Academic Year	1	*	3	*	1	*	0	—
Calendar Year	5	*	13	23,800	3	*	0	—

*Too few data to warrant publication

Salaries of Administrators and Faculty by Public or Private Support of the Institution (Tables F-46 and F-47)

- Tables F-46 and F-47 compare the mean salaries of nursing administrators and faculty in institutions with public support and those with private support (secular or religious), by type of program. The distribution of responding programs with each type of support was as follows:

Type of Program	Public Support	Private/Secular	Private/Religious
Associate degree	90.0%	5.1%	4.9%
Diploma	18.5%	59.3%	22.2%
Baccalaureate and Higher Degree			
Total	52.4%	18.0%	29.5%
With generic students	52.7%	17.1%	30.2%
With RN students only	51.7%	21.2%	27.1%

- Mean salaries in publicly supported institutions tend to be higher than those in private institutions, particularly in baccalaureate and higher degree programs. The mean salaries in institutions with private religious support tend to be the lowest.

- The differences in mean salaries are greatest at all ranks between publicly supported institutions and those with private religious support—in general, about $4,000. However, at the professor level in generic baccalaureate programs, there is a $10,000 difference between the mean salary of public institutions and the private religious supported institutions.

- Diploma programs tend to have about the same mean salaries for publicly and privately supported programs.

Table F-46

MEAN SALARIES OF ADMINISTRATORS BY HIGHEST CREDENTIAL, TYPE OF APPOINTMENT, TYPE OF PROGRAM, AND INSTITUTIONAL SUPPORT:1988

HIGHEST CREDENTIAL BY TYPE OF APPOINTMENT	BACCALAUREATE AND HIGHER DEGREE PROGRAMS						ASSOCIATE DEGREE PROGRAMS			DIPLOMA PROGRAMS		
	With Generic Students			With RN Students Only								
	Public	Private Secular	Private Religious	Public	Private Secular	Private Religious	Public	Private Secular	Private Religious	Public	Private Secular	Private Religious
Doctorate												
Academic Year	$48,000	$40,100	$36,000	$41,000	*	$31,900	$42,900	*	*	0	*	0
Calendar Year	63,900	53,400	45,700	52,300	$40,300	41,900	45,700	*	*	*	$44,400	*
Master's (Nursing)												
Academic Year	34,400	29,400	26,200	31,800	27,900	*	34,100	31,400	31,800	—	*	*
Calendar Year	40,700	44,700	35,300	47,800	35,300	32,700	38,800	40,700	32,800	$44,200	44,100	$47,400
Other Credential												
Academic Year	—	*	*	—	—	—	34,200	*	*	—	*	—
Calendar Year	—	—	*	—	—	—	36,100	*	*	43,100	42,400	37,700

*Too few data to warrant publication

Table F-47

MEAN SALARIES OF FACULTY BY HIGHEST CREDENTIAL, TYPE OF APPOINTMENT, TYPE OF PROGRAM, AND INSTITUTIONAL SUPPORT:1988

RANK HIGHEST CREDENTIAL BY TYPE OF APPOINTMENT	BACCALAUREATE AND HIGHER DEGREE PROGRAMS						ASSOCIATE DEGREE PROGRAMS		
	With Generic Students			Admit RN Students Only					
	Public	Private Secular	Private Religious	Public	Private Secular	Private Religious	Public	Private Secular	Private Religious
PROFESSOR									
Doctorate									
Academic Year	$46,100	$42,000	$35,700	$40,400	$40,000	$38,300	$40,900	*	—
Calendar Year	55,600	51,100	43,200	56,000	—	*	40,100	*	—
Master's Degree (Nursing)									
Academic Year	43,200	43,000	33,800	*	*	—	37,000	$29,600	*
Calendar Year	30,400	*	—	50,100	—	—	44,700	—	*
Other Credential									
Academic Year	70,200	*	—	70,200	*	—	39,300	—	—
Calendar Year	*	—	—	*	—	—	*	—	—
ASSOCIATE PROFESSOR									
Doctorate									
Academic Year	36,400	34,700	32,400	31,900	37,100	31,600	33,000	*	*
Calendar Year	45,400	44,700	45,000	43,000	—	*	35,400	—	—
Master's Degree (Nursing)									
Academic Year	32,700	29,900	27,600	29,000	26,500	29,400	31,800	25,500	$23,600
Calendar Year	37,000	38,100	29,900	42,300	—	—	24,000	*	*
Other Credential									
Academic Year	33,300	36,100	26,100	*	—	—	29,500	—	—
Calendar Year	*	—	*	—	—	—	28,000	—	—
ASSISTANT PROFESSOR									
Doctorate									
Academic Year	32,400	27,300	29,400	29,920	29,300	*	29,300	*	*
Calendar Year	30,900	37,800	37,800	40,000	—	*	*	—	—
Master's Degree (Nursing)									
Academic Year	27,700	27,700	23,700	27,000	23,500	24,000	26,100	23,600	22,500
Calendar Year	31,800	33,800	30,100	30,100	*	*	29,200	29,200	23,500
Other Credential									
Academic Year	25,600	23,900	22,700	*	—	—	28,600	22,000	21,800
Calendar Year	38,700	*	*	—	—	—	20,300	*	—
INSTRUCTOR									
Master's Degree/Doctorate									
Academic Year	23,400	24,700	21,100	24,000	*	22,600	28,000	23,700	22,700
Calendar Year	27,700	28,100	34,200	25,800	*	*	31,100	34,700	24,300
Other Credential									
Academic Year	24,000	23,400	18,400	*	*	*	27,100	23,000	17,800
Calendar Year	27,600	*	*	*	*	*	26,000	37,400	25,900
OTHER POSITION									
Master's Degree (Nursing)/ Doctorate									
Academic Year	24,000	*	22,600	24,300	26,000	*	26,300	—	21,000
Calendar Year	25,800	*	*	*	*	*	*	—	*
Other Credential									
Academic Year	*	*	*	*	*	—	22,400	*	17,300
Calendar Year	*	*	*	*	—	—	*	—	—

DIPLOMA PROGRAMS			
Public	Private Secular	Private Religious	
			ASSOCIATE/ASSISTANT ADMINISTRATOR/DEPT. HEAD
			Doctorate
—	—	—	Academic Year
—	*	*	Calendar Year
			Master's (Nursing)
—	*	*	Academic Year
$37,000	$38,400	$41,200	Calendar Year
			Other Credential
—	*	*	Academic Year
*	38,800	*	Calendar Year
			INSTRUCTOR
			Master's (Nursing)/Doctorate
30,800	27,300	31,200	Academic Year
23,700	33,400	33,800	Calendar Year
			Master's (Non-Nursing)
32,400	29,900	29,800	Academic Year
32,400	31,400	27,500	Calendar Year
			Baccalaureate (Nursing)
26,100	21,000	25,700	Academic Year
36,300	27,700	25,600	Calendar Year
			Other Credential
25,700	*	*	Academic Year
28,200	35,800	28,400	Calendar Year
			OTHER FACULTY
			Master's (Nursing)/Doctorate
—	34,000		Academic Year
*	38,100	*	Calendar Year
			Master's (Non-Nursing)
34,800	26,700	*	Academic Year
51,800	30,900	30,200	Calendar Year
			Baccalaureate (Nursing)
*	*	—	Academic Year
*	26,600	*	Calendar Year
			Other Credential
*	*	—	Academic Year
*	26,900	*	Calendar Year

* Too few data to warrant publication.

PN STUDENTS

SUMMARY AND RESULTS OF LPN/LVN STUDENT CENSUS

Methodology and Response Rate

Every fall, each of the state boards of practical and vocational nursing are contacted to update NLN's list of approved practical and vocational programs. In 1988, the state boards identified 1,039 schools of practical and vocational nursing in the United States with 1,095 LPN/LVN programs. An additional 23 schools were identified in the territories of American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Each state-approved school subsequently received the NLN annual survey, which included questions concerning the number of students admitted, enrolled, and graduated from the program. Additional information on primary source of financial support, administrative control, and tuition and fees was requested.

As in the past, NLN has maintained a 100 percent response rate to the areas of the survey concerning admissions, enrollments, and graduations.

Features of LPN/LVN Programs

In 1988, there were 1,039 schools of practical and vocational nursing with a total of 1,095 programs. The number of programs increased 0.4 percent over the previous year. The majority of the schools (90%) were conducted for adults, and almost 88 percent were publicly supported. More than half of the schools (51.0%) were under the administrative control of technical or vocational schools. Smaller percentages were located in junior or community colleges (37.0%), secondary schools (6.4%), hospitals (4.3%), government agencies (0.7%), senior colleges or universities (0.5%), and independent agencies (0.4%).

The Southern region had the largest proportion of practical and vocational programs with 44 percent of the total. The Midwest had 22 percent; the North Atlantic, 17 percent; and the West, 16 percent of the total programs.

Admissions, Enrollments, and Graduations

Total annual admissions to practical and vocational nursing programs in the United States between August 1987 and July 1988 grew to 43,774, representing an increase of 3 percent over the previous year.

Fall admissions rose to 30,746—an impressive 8.7 percent increase from 1988. This signals the continuation of improved fall admissions since 1987.

Enrollment, as of October 15, 1988, totaled 42,808—nearly a 7 percent increase from the 1987 figure. Furthermore, graduations fell slightly (1.4 percent) from 27,285 in 1987 to 26,912 in 1988.

Men and Minority Students

In 1987-88, ethnic and minority students (excluding men) constituted over 26 percent of total admissions to practical and vocational nursing programs. Blacks made up 19.7 percent of the annual admissions, and men represented 7.8 percent of the admissions. Similar percentages of men and minority students were found in enrollment and graduation figures. The proportion of black students has been increasing since 1978, when NLN began collecting this data.

LPN/LVN PROGRAMS

Number of LPN/LVN Programs (Tables PN-1 and PN-2)

- In 1988, there were 1,039 LPN and LVN schools in the United States, with a total of 1,095 programs. This represents an 0.4 percent increase in the number of programs over the previous year. Moreover, the number of schools decreased 2.7 percent since 1987 (Table PN-1).
- Of the 1,039 schools, 90 percent were programs conducted primarily for adults and out-of-school youth. High school extended programs and high school programs accounted for 4 percent and 5.6 percent of the total, respectively (Table PN-1).
- The largest portion of the LPN/LVN programs are in the South. The regional breakdown among programs was South, 44 percent; Midwest, 22 percent; North Atlantic, 17 percent; and West, 16 percent (Table PN-2).

Historical trends: The number of LPN/LVN programs peaked at 1,319 in 1977. Five years ago, in 1984, the number of programs stood at 1,162, and ten years ago there were 1,222 LPN/LVN programs. In short, the number of LPN/LVN programs has decreased over 12.7 percent since 1984, and 15.6 percent since 1979.

Table PN-1
LPN/LVN SCHOOLS AND PROGRAMS
WITH PERCENTAGE CHANGE FROM PREVIOUS YEAR, BY TYPE OF PROGRAM: 1969 TO 1988

YEAR[1]	SCHOOLS[2]		PROGRAMS							
			All LPN/LVN Programs		Adult Programs[3]		High School Programs[4]		High School Extended Programs[5]	
	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change	Number	Percent Change
1969	1,162	+2.3	1,234	+5.1	1,110	+4.6	38	−13.6	86	+24.6
1970	1,172	+0.9	1,233	−0.1	1,103	−0.6	42	+10.5	88	+2.3
1971	1,191	+1.6	1,271	+3.1	1,131	+2.5	48	+14.3	92	+4.5
1972	1,196	+0.4	1,286	+1.2	1,142	+1.0	51	+6.2	93	+1.1
1973	1,191	−0.4	1,283	−0.2	1,135	−0.6	57	+11.8	91	−2.1
1974	1,206	+1.3	1,294	+0.9	1,137	+0.2	62	+8.8	95	+4.4
1975	1,228	+1.8	1,315	+1.6	1,156	+1.7	63	+1.6	96	+1.1
1976	1,236	+0.6	1,318	+0.2	1,155	−0.1	66	+4.8	97	+1.0
1977	1,234	−0.2	1,319	+0.1	1,155	+0.0	63	−4.5	101	+4.1
1978	1,232	−0.2	1,310	−0.7	1,156	+0.1	60	−4.8	94	−6.9
1979	1,222	−0.8	1,298	−0.9	1,147	−0.8	60	+0.0	91	−3.2
1980	1,221	−0.1	1,299	+0.1	1,153	+0.5	55	−8.3	91	+0.0
1981	1,231	+0.8	1,309	+0.8	1,163	+0.9	55	+0.0	91	+0.0
1982	1,221	−0.8	1,295	−1.1	1,153	−0.9	55	+0.0	91	+0.0
1983	1,218	−0.2	1,297	+0.2	1,154	+0.1	56	+0.0	87	−4.4
1984	1,162	−4.6	1,254	−3.3	1,114	−3.5	57	+1.8	83	−4.6
1985	1,128	−2.9	1,165	−7.1	1,048	−5.9	50	−12.3	67	−19.3
1986	1,058	−6.2	1,087	−6.7	947	−38.3	53	+6.0	58	−13.4
1987	1,035	−2.2	1,068	−1.7	922	−2.6	47	−17.5	66	+13.8
1988	1,039	−2.7	1,095	+0.4	989	+7.3	44	−6.4	62	−6.1

[1] As of October 15
[2] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands
[3] Adult programs are conducted primarily for adults and out-of-school youth and have not been planned as part of a high school curriculum
[4] High School programs are conducted primarily for high school students and lead concurrently to a high school diploma and eligibility for writing the licensure examination
[5] High School Extended programs are conducted primarily for high school students and lead to a high school diploma, but require some additional months of preparation after high school graduation
* Data not available

Table PN-2
LPN/LVN PROGRAMS, BY NLN REGION AND STATE: 1979 TO 1988

NLN REGION AND STATE	NUMBER OF PROGRAMS									
	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
United States[1]	**1,298**	**1,299**	**1,309**	**1,295**	**1,297**	**1,254**	**1,165**	**1,058**	**1,035**	**1,039**
North Atlantic	245	239	233	232	236	234	224	192	180	179
Midwestern	279	281	280	288	286	281	256	235	233	232
Southern	566	575	585	567	564	533	503	459	451	461
Western	208	204	211	208	211	206	188	172	171	167
Alabama	25	25	25	25	25	23	22	22	22	22
Alaska	1	1	1	1	1	1	0	0	0	0
Arizona	13	12	11	12	12	12	12	10	10	9
Arkansas	27	27	29	29	29	28	28	27	28	27
California	91	86	90	94	95	93	79	76	78	75
Colorado	17	17	18	18	18	16	14	14	14	14
Connecticut	10	10	10	10	10	10	10	11	11	11
Delaware	5	5	5	5	5	5	3	3	3	3
District of Columbia	3	3	3	3	3	3	4	2	2	2
Florida	35	35	36	37	37	36	35	34	34	34
Georgia	54	52	53	49	48	45	44	41	40	40
Hawaii	4	4	4	4	4	4	4	4	4	4
Idaho	10	11	10	8	8	8	7	6	5	5
Illinois	45	45	44	44	42	41	39	32	31	30
Indiana	17	17	17	17	18	19	17	17	18	19
Iowa	26	27	27	29	30	27	25	25	25	25
Kansas	17	16	16	18	18	18	16	16	16	16
Kentucky	16	16	16	16	16	16	17	17	17	17
Louisiana	37	37	38	38	37	35	35	35	35	35
Maine	5	5	5	5	5	5	5	5	5	5
Maryland	22	21	21	20	20	20	17	14	14	14
Massachusetts	30	30	26	25	26	24	21	22	22	22
Michigan	36	36	37	37	36	35	32	27	27	26
Minnesota	27	27	27	27	26	26	26	26	26	26
Mississippi	14	14	14	14	13	12	12	12	13	13
Missouri	33	33	34	34	34	35	33	32	31	31
Montana	6	5	5	5	5	5	5	5	5	5
Nebraska	9	9	9	9	8	8	8	8	8	8
Nevada	7	7	6	5	4	4	4	4	3	3
New Hampshire	4	4	4	5	5	5	5	4	3	3
New Jersey	35	35	33	31	32	32	31	31	26	25
New Mexico	10	10	11	9	10	10	8	8	7	7
New York	97	92	90	90	90	89	86	60	57	56
North Carolina	40	39	45	46	46	28	26	24	23	23
North Dakota	6	7	6	7	7	7	5	3	3	3
Ohio	43	44	45	46	47	45	44	41	42	41
Oklahoma	28	31	31	32	35	34	26	25	25	27
Oregon	11	11	11	11	12	12	12	11	11	11
Pennsylvania	52	51	54	54	56	57	54	50	47	48
Rhode Island	1	1	1	1	1	1	1	1	1	1
South Carolina	30	31	31	31	30	28	32	20	20	21
South Dakota	6	6	6	6	6	6	2	1	1	1
Tennessee	6	11	12	12	12	25	23	20	22	23
Texas	155	158	157	142	138	131	111	100	91	98
Utah	5	5	6	6	6	6	6	6	6	6
Vermont	3	3	3	3	3	3	4	3	3	3
Virginia	58	58	58	56	58	52	56	49	48	48
Washington	29	29	28	28	29	28	24	22	22	22
West Virginia	19	20	20	20	20	20	19	19	19	19
Wisconsin	14	14	14	14	14	14	9	7	5	6
Wyoming	4	6	6	7	7	7	7	6	6	6
American Samoa	1	1	1	1	1	1	1	1	1	1
Guam	1	0	0	0	0	0	0	0	0	0
Puerto Rico	18	19	21	23	27	24	24	24	24	21
Virgin Islands	0	0	0	0	1	1	0	0	0	1

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

LPN/LVN Programs by Source of Funding (Table PN-3)

- Over 92 percent of the 1,039 schools were publicly supported, and about seven percent were privately financed. These percentages remain unchanged from last year.

Table PN-3
LPN/LVN PROGRAMS, BY NLN REGION AND PRIMARY SOURCE OF FINANCIAL SUPPORT: 1979 TO 1988

NLN REGION BY TYPE OF FINANCIAL SUPPORT[1]	NUMBER OF PROGRAMS									
	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
All Regions	**1,298**	**1,298**	**1,309**	**1,295**	**1,297**	**1,254**	**1,165**	**1,058**	**1,035**	**1,039**
Public	1,198	1,197	1,201	1,183	1,185	1,144	1,062	986	958	962
Private	100	101	108	112	112	110	103	72	77	77
North Atlantic	245	239	233	231	236	234	224	192	180	179
Public	223	218	214	209	209	209	189	162	152	150
Private	22	21	19	22	27	25	35	30	28	29
Midwestern	279	281	280	287	286	281	256	235	233	232
Public	258	261	260	266	263	256	237	225	220	224
Private	21	20	20	21	23	25	19	10	13	8
Southern	566	575	585	566	563	533	503	459	451	461
Public	522	526	529	511	512	485	464	436	425	431
Private	44	49	56	55	51	48	39	23	26	30
Western	208	203	211	211	211	206	182	172	171	167
Public	195	192	198	197	200	194	172	163	161	157
Private	13	11	13	14	11	12	10	9	10	10

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands

Administrative Control of LPN/LVN Programs (Table PN-4)

- The breakdown of LPN/LVN programs by administrative control indicates that 51 percent are located in technical or vocational schools, 37 percent in junior colleges, almost 6 percent in secondary schools, 4 percent in hospitals, and about 1 percent in government agencies, senior colleges, and independent agencies.
- The reader should note that there are significant regional differences in administrative control that influence the interpretation of data on admissions, enrollments, and graduations. As the following breakdown shows, LPN/LVN programs in the North Atlantic are more likely to be located in technical or vocational schools, whereas programs in the West are more likely to be in junior colleges (Figure PN-1).

	NLN Region				
Type of Administrative Control	**North Atlantic**	**Midwest**	**South**	**West**	**All Regions**
Technical or vocational school	65.9%	48.3%	55.3%	24.6%	50.6%
Junior or community college	10.6	45.3	32.3	66.5	37.0
Secondary school	13.4	3.9	5.0	6.6	6.4
Hospital	8.4	1.3	5.9	0.0	4.3
Government agency	1.7	0.4	0.7	0.6	0.8
Senior college or university	0.0	0.4	0.4	1.2	0.5
Independent agency	0.0	0.4	0.4	0.6	0.4

Figure PN-1

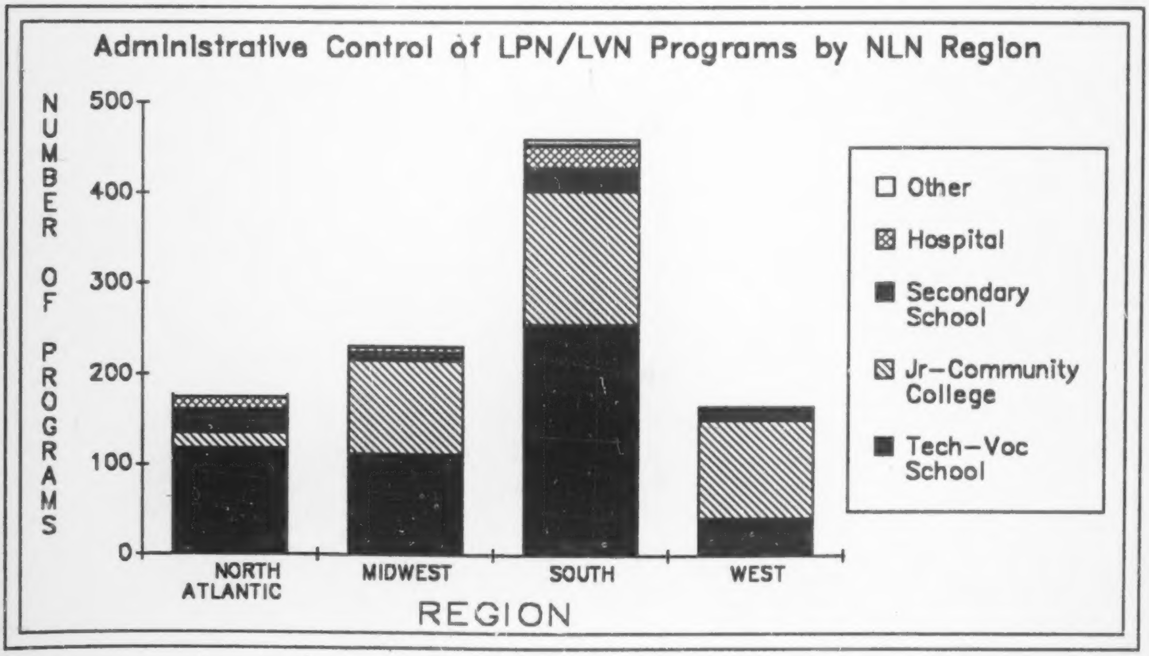


Table PN-4

LPN/LVN PROGRAMS, BY NLN REGION AND TYPE OF ADMINISTRATIVE CONTROL: 1979 TO 1988

NLN REGION BY TYPE OF ADMINISTRATIVE CONTROL [1]	NUMBER OF PROGRAMS									
	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
All Regions	**1,298**	**1,299**	**1,309**	**1,295**	**1,297**	**1,254**	**1,165**	**1,058**	**1,035**	**1,039**
Technical or vocational school	693	677	681	673	679	644	599	554	538	526
Junior or community college	381	402	404	398	404	400	373	354	362	384
Secondary school	72	66	67	73	69	83	88	80	71	67
Hospital	101	106	108	108	97	85	75	45	40	45
Government agency	22	19	19	17	17	18	11	6	13	8
Senior college or university	22	23	24	19	20	14	13	10	5	5
Independent agency	7	6	6	7	11	10	6	9	6	4
North Atlantic	245	239	233	231	236	234	224	192	180	179
Technical or vocational school	170	167	162	156	157	157	150	126	115	118
Junior or community college	20	19	21	22	22	22	20	20	19	19
Secondary school	24	24	22	27	29	29	29	26	27	24
Hospital	23	23	22	21	21	20	20	15	13	15
Government agency	3	3	2	3	3	4	3	2	5	3
Senior college or university	3	2	2	0	1	0	0	0	0	0
Independent agency	2	1	2	2	3	2	2	3	1	0
Midwestern	279	281	280	287	286	281	256	235	233	232
Technical or vocational school	149	152	151	153	152	152	124	118	118	112
Junior or community college	101	103	104	105	109	105	105	99	99	105
Secondary school	8	8	8	9	7	8	12	12	10	9
Hospital	13	11	11	14	10	10	10	3	3	3
Government agency	2	0	0	0	0	1	1	0	1	1
Senior college or university	4	5	5	5	5	4	3	2	1	1
Independent agency	2	2	1	1	3	1	1	1	1	1
Southern	566	575	585	566	564	533	503	459	451	461
Technical or vocational school	323	311	313	308	315	283	276	261	258	255
Junior or community college	124	145	149	140	142	141	133	128	132	149
Secondary school	34	28	29	27	24	34	36	32	26	23
Hospital	64	71	73	71	65	54	45	27	24	27
Government agency	12	12	13	10	10	9	7	4	7	3
Senior college or university	8	7	6	7	5	6	5	3	2	2
Independent agency	1	1	2	3	3	6	1	4	2	2
Western	208	204	211	211	211	206	182	172	171	167
Technical or vocational school	51	47	55	56	55	52	49	49	47	41
Junior or community college	136	135	130	131	131	132	115	107	112	111
Secondary school	6	6	8	10	9	12	11	10	8	11
Hospital	1	1	2	2	1	1	0	0	0	0
Government agency	5	4	4	4	4	4	0	0	0	1
Senior college or university	7	9	11	7	9	4	5	5	2	2
Independent agency	2	2	1	1	2	1	2	1	2	1

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands

ADMISSIONS

Annual Admissions to LPN/LVN Programs (Tables PN-5 to PN-8)

- Total admissions to LPN/LVN programs increased 3.0 percent from 1986-87 to 1987-88. This is the first upward swing in the past four years (Table PN-5).

- All regions, except the West, reported increases in admissions for the 1987-88 academic year. Annual admissions to Southern LPN/LVN programs grew 7.3 percent. In the North Atlantic admissions increased a modest 2.5 percent and in the Midwest, 1.1 percent. The West, however, reported a 4.1 percent drop in annual admissions to LPN/LVN programs (Tables PN-6 to PN-8).

- Increases in annual admissions were reported by both private and public LPN/LVN programs. Annual admissions to private programs grew 9.2 percent between 1986-87 and 1987-88. Public programs reported increases of 2.6 percent (Table PN-7).

Table PN-5
ADMISSIONS TO LPN/LVN PROGRAMS AND PERCENTAGE CHANGE FROM PREVIOUS YEAR: 1968-69 TO 1987-88

YEAR[1]	ADMISSIONS TO LPN/LVN PROGRAMS	
	Number[2]	Percent Change
1968-69	48,379	+8.6
1969-70	54,934	+13.5
1970-71	59,128	+7.6
1971-72	60,593	+2.5
1972-73	59,379	−2.0
1973-74	59,190	−0.3
1974-75	60,322	+1.9
1975-76	61,353	+1.7
1976-77	60,166	−1.9
1977-78	60,610	+0.7
1978-79	57,081	−5.8
1979-80	56,316	−1.3
1980-81	58,479	+3.8
1981-82	60,426	+3.3
1982-83	61,453	+1.7
1983-84	57,865	−5.8
1984-85	47,034	−18.7
1985-86	44,477	−5.4
1986-87	42,452	−4.6
1987-88	43,774	+3.0

[1] Time period is September 1 through August 31 for academic years 1968-69 through 1969-70, and August 1 through July 31 for subsequent years.

[2] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table PN-6

ANNUAL ADMISSIONS TO LPN/LVN PROGRAMS, BY NLN REGION AND STATE: 1978-79 TO 1987-88

NLN REGION AND STATE	NUMBER OF ADMISSIONS									
	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
United States[1]	**57,081**	**56,316**	**58,479**	**60,426**	**61,453**	**57,865**	**47,034**	**44,477**	**42,452**	**43,774**
North Atlantic	11,708	11,358	11,207	11,921	12,434	11,920	10,131	9,332	7,789	7,985
Midwest	14,969	14,877	15,316	15,439	15,362	13,935	10,533	9,556	10,145	10,256
South	22,451	22,873	24,262	24,684	25,508	24,192	19,810	18,404	17,779	19,073
West	7,953	7,208	7,694	8,382	8,149	7,818	6,560	7,185	6,739	6,460
Alabama	1,745	1,794	1,816	1,784	2,078	1,782	1,432	1,345	1,304	1,517
Alaska	24	24	31	56	24	23	—	0	0	—
Arizona	491	428	326	302	424	378	474	338	380	403
Arkansas	968	1,111	1,170	1,321	1,331	1,198	729	691	755	771
California	4,363	3,977	4,359	4,875	4,471	4,094	3,749	3,830	3,372	3,658
Colorado	573	514	533	583	628	574	313	302	466	333
Connecticut	455	374	393	437	420	402	383	425	335	319
Delaware	155	122	161	254	193	180	104	88	99	116
District of Columbia	173	138	118	124	144	122	116	277	159	283
Florida	2,569	2,545	2,665	2,842	2,713	2,759	2,392	2,218	2,212	2,343
Georgia	1,976	1,991	2,094	2,083	2,066	1,977	1,740	1,708	1,581	1,412
Hawaii	138	144	147	118	122	96	131	141	109	112
Idaho	187	188	183	185	182	181	150	137	107	119
Illinois	2,760	2,789	2,791	2,979	2,780	2,481	2,006	1,585	1,728	1,540
Indiana	1,013	986	1,087	1,131	1,119	1,188	988	862	932	1,078
Iowa	1,066	901	880	788	882	741	552	607	1,007	771
Kansas	533	514	539	548	562	451	451	551	646	609
Kentucky	752	879	966	1,180	1,098	1,128	873	874	895	886
Louisiana	1,746	1,791	1,863	1,813	2,122	1,904	1,745	1,564	1,383	1,924
Maine	260	220	241	234	235	222	206	190	179	185
Maryland	549	614	599	659	618	579	360	286	261	256
Massachusetts	1,304	1,242	1,181	1,157	1,206	995	815	852	758	767
Michigan	2,082	2,122	2,045	1,698	1,749	1,674	1,440	1,437	1,163	1,250
Minnesota	1,411	1,526	1,578	1,614	1,573	1,556	1,141	1,185	1,213	1,354
Mississippi	908	1,005	1,115	964	912	796	656	491	617	531
Missouri	1,281	1,160	1,348	1,293	1,312	1,222	1,133	931	995	901
Montana	254	242	233	262	240	246	233	205	180	191
Nebraska	508	461	551	636	636	558	339	434	369	433
Nevada	108	72	101	83	59	75	67	64	56	87
New Hampshire	169	192	205	239	208	148	42	106	62	89
New Jersey	1,676	1,729	1,698	1,586	1,745	1,813	1,690	1,504	1,278	1,343
New Mexico	294	163	190	199	258	274	183	234	242	209
New York	4,290	4,015	3,926	4,371	4,386	4,464	4,171	3,413	2,950	2,937
North Carolina	1,243	1,204	1,184	1,086	1,200	1.063	750	608	569	576
North Dakota	329	307	317	368	339	289	115	56	235	220
Ohio	2,483	2,675	2,761	2,906	3,056	2,630	1,979	1,672	1,640	1,856
Oklahoma	922	940	1,007	981	1,097	929	944	825	689	804
Oregon	281	209	181	165	228	136	151	390	310	66
Pennsylvania	2,943	3,062	3,048	3,270	3,561	3,358	2,400	2,249	1,918	1,866
Rhode Island	118	104	102	116	130	100	100	114	0	0
South Carolina	865	847	827	888	935	790	648	600	544	565
South Dakota	271	278	281	301	295	271	27	14	20	26
Tennessee	1,455	1,371	1,569	1,508	1,146	1,165	1,180	961	1,025	1,187
Texas	4,795	4,626	5,033	5,175	5,682	5,292	4,371	4,294	4,113	4,471
Utah	367	316	360	423	428	365	334	281	289	328
Vermont	165	160	169	177	206	163	104	114	51	80
Virginia	1,461	1,566	1,702	1,801	1,825	1,761	1,509	1,477	1,350	1,313
Washington	789	842	870	891	978	1,071	698	1,175	1,116	828
West Virginia	497	589	652	637	685	1,124	481	462	481	517
Wisconsin	1,232	1,156	1,156	1,221	1,059	951	362	222	197	218
Wyoming	84	89	127	114	107	126	77	88	112	126
American Samoa	25	20	19	28	18	12	12	7	7	7
Guam	35	14	—	—	—	—	—	0	0	—
Puerto Rico	812	1,104	1,198	1,063	1,323	1,542	1,637	1,518	1,302	693
Virgin Islands	—	—	—	—	—	20	—	0	0	22

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table PN-7

ANNUAL ADMISSIONS TO LPN/LVN PROGRAMS, BY NLN REGION AND PRIMARY SOURCE OF FINANCIAL SUPPORT: 1978-79 TO 1987-88

NLN REGION BY TYPE OF FINANCIAL SUPPORT [1]	NUMBER OF ANNUAL ADMISSIONS									
	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
All Regions	**57,081**	**56,316**	**58,479**	**60,426**	**61,453**	**57,865**	**47,034**	**44,477**	**42,452**	**43,774**
Public	52,657	52,266	54,419	55,465	56,109	52,554	42,649	41,056	39,103	40,116
Private	4,424	4,050	4,060	4,961	5,344	5,311	4,385	3,421	3,349	3,658
North Atlantic	11,708	11,358	11,207	11,921	12,434	11,920	10,131	9,332	7,789	7,985
Public	10,509	10,270	10,513	10,959	11,221	10,049	8,162	7,998	6,651	6,801
Private	1,199	1,088	694	962	1,213	1,871	1,969	1,334	1,138	1,184
Midwest	14,969	14,877	15,316	15,439	15,362	13,935	10,533	9,556	10,145	10,256
Public	13,889	13,880	14,316	14,470	14,293	12,860	10,105	9,271	9,692	10,000
Private	1,080	997	1,000	969	1,069	1,075	428	285	453	256
South	22,451	22,873	24,262	24,684	25,508	24,192	19,810	18,404	17,779	19,073
Public	21,242	21,678	22,654	22,702	23,476	22,765	18,890	17,708	17,095	18,239
Private	1,209	1,195	1,608	1,982	2,032	1,427	920	696	684	834
West	7,953	7,208	7,694	8,382	8,149	7,818	6,560	7,185	6,739	6,460
Public	7,017	6,438	6,936	7,334	7,119	6,880	5,492	6,079	5,665	5,076
Private	936	770	758	1,048	1,030	938	1,068	1,106	1,074	1,384

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table PN-8

ANNUAL ADMISSIONS TO LPN/LVN PROGRAMS, BY NLN REGION AND TYPE OF ADMINISTRATIVE CONTROL: 1978-79 TO 1987-88

NLN REGION BY TYPE OF ADMINISTRATIVE CONTROL [1]	NUMBER OF ANNUAL ADMISSIONS									
	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
All Regions	**57,081**	**56,316**	**58,479**	**60,426**	**61,453**	**57,865**	**47,034**	**44,477**	**42,452**	**43,774**
Technical or vocational school	34,130	33,635	34,544	35,837	35,713	33,471	27,000	25,156	23,722	25,251
Junior or community college	15,057	15,146	16,241	16,116	17,201	15,319	12,916	12,941	13,385	13,620
Secondary school	2,628	2,466	2,446	2,790	2,783	4,042	3,626	3,379	2,700	2,330
Hospital	3,383	3,115	3,352	3,916	3,729	2,617	1,510	1,178	1,000	1,230
Government agency	718	834	923	1,111	1,027	1,772	1,498	1,211	1,237	1,056
Senior college or university	864	834	777	481	729	359	208	297	142	137
Independent agency	301	286	196	173	271	285	276	315	266	150
North Atlantic	11,708	11,358	11,207	11,921	12,434	11,920	10,131	9,332	7,789	7,985
Technical or vocational school	8,229	8,056	7,974	8,630	8,699	7,821	6,810	5,976	5,172	5,773
Junior or community college	839	780	965	953	1,367	1,449	1,108	1,174	882	792
Secondary school	1,029	1,018	947	1,058	1,111	1,602	1,468	1,487	1,199	858
Hospital	1,151	1,002	940	989	1,031	814	639	525	397	482
Government agency	48	89	50	254	103	192	70	83	128	80
Senior college or university	356	351	296	0	44	0	0	0	0	0
Independent agency	56	62	35	37	79	42	36	87	11	0
Midwest	14,969	14,877	15,316	15,439	15,382	13,935	10,533	9,556	10,145	10,256
Technical or vocational school	8,875	8,938	9,301	9,095	8,902	8,074	5,704	5,368	5,585	5,589
Junior or community college	4,822	4,744	4,868	4,956	5,246	4,446	3,843	3,575	3,698	4,005
Secondary school	335	358	373	409	322	505	525	472	452	415
Hospital	664	608	597	802	701	494	110	69	89	89
Government agency	29	0	0	0	0	264	263	0	258	107
Senior college or university	70	76	101	99	110	90	61	39	42	25
Independent agency	174	153	76	78	81	62	27	33	21	26
South	22,451	22,873	24,262	24,684	25,508	24,192	19,810	18,404	17,779	19,073
Technical or vocational school	14,251	14,155	14,348	14,786	15,067	14,751	11,817	11,026	10,722	11,340
Junior or community college	5,007	5,629	6,333	5,950	6,403	5,626	4,971	4,712	5,025	5,612
Secondary school	912	815	860	929	937	1,170	986	795	587	553
Hospital	1,511	1,501	1,815	2,075	1,979	1,286	761	584	514	659
Government agency	460	515	661	623	611	1,002	1,165	1,128	851	837
Senior college or university	292	239	198	263	440	219	91	56	30	29
Independent agency	18	19	47	58	71	138	19	103	50	43
West	7,953	7,208	7,694	8,382	8,149	7,818	6,580	7,185	6,739	6,460
Technical or vocational school	2,775	2,486	2,921	3,326	3,045	2,825	2,689	2,786	2,243	2,549
Junior or community college	4,389	3,993	4,075	4,257	4,185	3,798	2,994	3,480	3,780	3,211
Secondary school	352	275	266	394	413	785	647	625	462	304
Hospital	57	4	0	52	18	23	0	0	0	0
Government agency	181	230	212	234	313	314	0	0	0	32
Senior college or university	146	168	182	119	135	50	56	202	70	83
Independent agency	53	52	38	0	40	43	194	92	184	81

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Fall Admissions to LPN/LVN Programs (Tables PN-9 to PN-12)

- Fall admissions (defined as admissions from August through December) typically constitute over 60 percent of annual admissions, and are therefore an important gauge for estimating annual admissions.

- Fall admissions rose 8.7 percent in 1988. This represents the second year of improvement after the deep decline reported between 1983 and 1986 (Table PN-9).

- A look at regional differences concerning fall admissions indicates that the South leads with over 41 percent of the total. The Midwest and North Atlantic regions follow with 25 percent and 22 percent, respectively. The West lags behind with 12 percent of the total fall admissions to LPN/LVN programs (Table PN-10).

- The overwhelming majority of fall admissions are found in publicly funded programs (91%). Regional differences in source of financial support are minor (Table PN-11).

- The pattern of fall admissions by administrative control is, as one would expect, similar to that of annual admissions. Fall admissions to technical or vocational schools represent 56.8 percent of the total. Junior or community colleges follow with 31.5 percent of the total fall admissions. Smaller percentages are found in hospital programs (3.9%), secondary schools (5.7%), senior colleges (0.8%), government agencies (1.3%), and independent agencies (0.4%) (Table PN-12).

Historical trends: Fall admissions to LPN/LVN programs peaked in 1974 and again in 1982. Since the last peak in 1982, fall admissions have plunged over 28 percent, until 1987 when an upward trend began.

Table PN-9
FALL ADMISSIONS TO LPN/LVN PROGRAMS WITH PERCENTAGE CHANGE FROM PREVIOUS YEAR: 1974 TO 1988

YEAR[1]	FALL ADMISSIONS	
	Number[2]	Percent Change
1974	39,425	+3.9
1975	39,421	−0.0
1976	39,163	−0.6
1977	38,943	−0.6
1978	36,589	−6.0
1979	36,177	−1.1
1980	37,044	+2.4
1981	38,236	+3.2
1982	39,560	+3.4
1983	37,788	−4.5
1984	33,351	−11.7
1985	29,067	−12.8
1986	27,816	−4.3
1987	28,274	+1.7
1988	30,746	+8.7

[1] Time period is August 1 through December 31.

[2] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table PN-10

FALL ADMISSIONS TO LPN/LVN PROGRAMS, BY NLN REGION AND STATE: 1979 TO 1988

NLN REGION AND STATE	NUMBER OF FALL ADMISSIONS									
	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
United States[1]	**36,177**	**37,044**	**38,236**	**39,560**	**37,788**	**33,351**	**29,067**	**27,816**	**28,274**	**30,746**
North Atlantic	8,552	8,382	8,717	9,122	8,868	8,111	7,007	6,423	5,572	6,680
Midwest	10,043	10,223	10,191	10,203	9,667	7,895	6,658	6,466	7,125	7,620
South	13,302	14,242	14,853	15,758	14,815	13,252	11,862	11,477	11,944	12,616
West	4,280	4,197	4,475	4,477	4,438	4,092	3,540	3,450	3,633	3,830
Alabama	891	982	952	1,157	1,046	837	708	728	675	822
Alaska	24	22	32	7	23	9	–	0	0	–
Arizona	362	246	162	175	210	181	150	205	146	240
Arkansas	624	739	921	931	883	610	558	564	607	632
California	1,978	2,140	2,207	2,201	2,052	1,820	1,891	1,780	1,812	1,968
Colorado	330	343	404	381	401	286	201	236	322	346
Connecticut	339	359	406	399	0	40	102	132	32	194
Delaware	110	110	163	126	131	98	76	75	80	98
District of Columbia	213	88	111	120	99	101	113	196	146	191
Florida	1,028	1,103	1,119	1,237	1,183	1,191	1,062	1,119	1,193	1,328
Georgia	1,064	1,132	1,188	1,115	1,057	1,066	986	897	749	713
Hawaii	99	98	84	93	98	101	119	107	83	74
Idaho	137	134	141	143	121	92	82	73	71	101
Illinois	1,952	2,108	2,073	1,969	1,825	1,472	1,261	1,117	1,242	1,094
Indiana	591	699	706	698	757	704	653	596	642	823
Iowa	653	530	505	469	498	441	384	444	478	525
Kansas	329	271	308	358	338	264	281	434	377	376
Kentucky	423	617	729	732	705	477	506	585	469	678
Louisiana	778	714	821	893	768	743	1,019	593	809	625
Maine	176	190	185	185	185	173	132	198	124	202
Maryland	500	516	544	522	484	417	261	208	171	231
Massachusetts	1,127	1,180	1,112	1,154	1,046	870	780	730	759	862
Michigan	1,328	1,273	1,098	1,221	1,013	911	920	793	765	810
Minnesota	1,245	1,224	1,252	1,185	1,093	949	916	804	1,068	1,100
Mississippi	488	583	582	616	472	507	348	372	270	478
Missouri	944	1,023	1,015	1,070	991	895	687	720	724	724
Montana	177	134	146	141	181	113	127	106	167	158
Nebraska	264	285	315	323	323	234	206	240	245	359
Nevada	74	87	81	69	60	62	52	80	46	31
New Hampshire	175	157	175	157	94	99	22	102	56	89
New Jersey	1,129	1,164	1,066	1,159	1,187	1,242	1,009	981	984	1,095
New Mexico	230	173	148	140	159	198	103	134	145	197
New York	3,484	3,384	3,720	3,952	4,039	3,662	3,223	2,673	2,273	2,792
North Carolina	940	850	904	878	881	705	579	526	451	550
North Dakota	184	188	229	202	218	143	46	68	26	76
Ohio	1,657	1,709	1,814	1,897	1,816	1,366	1,173	1,098	1,369	1,478
Oklahoma	606	729	674	736	699	637	710	621	590	658
Oregon	202	89	87	137	168	136	105	67	101	66
Pennsylvania	1,610	1,599	1,619	1,693	1,873	1,703	1,358	1,285	1,038	1,093
Rhode Island	100	100	116	130	100	102	116	0	0	0
South Carolina	711	699	736	760	758	619	547	487	499	504
South Dakota	237	239	245	239	232	161	14	20	24	23
Tennessee	676	533	643	555	535	592	675	596	610	706
Texas	2,786	3,180	3,105	3,559	3,296	3,056	2,267	2,608	3,227	2,940
Utah	51	54	123	185	165	153	111	122	188	180
Vermont	89	81	92	95	114	66	78	51	80	64
Virginia	1,377	1,452	1,542	1,623	1,525	1,474	1,333	1,230	1,223	1,330
Washington	546	563	644	585	686	730	535	496	479	388
West Virginia	410	433	418	470	523	361	303	343	401	421
Wisconsin	659	614	657	608	563	391	117	132	165	172
Wyoming	70	114	117	110	114	91	64	64	72	81
American Samoa	20	19	20	17	17	17	17	7	7	7
Guam	14	–	–	–	–	–	–	0	0	–
Puerto Rico	475	464	367	625	801	699	1,624	911	832	459
Virgin Islands	–	–	–	–	19	20	–	0	0	13

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table PN-11

FALL ADMISSIONS TO LPN/LVN PROGRAMS, BY NLN REGION AND PRIMARY SOURCE OF FINANCIAL SUPPORT: 1979 TO 1988

NLN REGION BY TYPE OF FINANCIAL SUPPORT [1]	NUMBER OF FALL ADMISSIONS									
	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
All Regions	**36,177**	**37.044**	**38.236**	**39.560**	**37,788**	**33,351**	**29,067**	**27,816**	**28,274**	**30,746**
Public	33.349	34.301	35.175	36.346	34.573	30.550	26.355	25.766	25.890	27.993
Private	2.828	2.743	3.061	3.214	3.215	2.801	2.712	2.050	2.384	2.753
North Atlantic	8.552	8.382	8.717	9.122	8.868	8.111	7.007	6.423	5.572	6.680
Public	7.705	7.682	7.948	8.211	7.873	6.821	5.605	5.380	4.592	5,416
Private	847	700	769	911	995	1.290	1,402	1,043	980	1,264
Midwest	10.043	10.223	10.191	10.203	9.667	7,895	6.658	6.466	7.125	7.620
Public	9.265	9.564	9.441	9.582	8.963	7.362	6.400	6.266	6.847	7.440
Private	778	659	750	621	704	533	258	200	278	180
South	13.302	14.242	14.853	15.758	14.815	13.253	11.862	11.477	11.944	12.616
Public	12.505	13.256	13.678	14.578	13.652	12.594	11.248	11.111	11.343	11.890
Private	797	986	1.175	1.180	1.163	659	614	366	601	726
West	4.280	4.197	4.475	4.477	4.438	4.092	3.540	3.450	3.633	3.830
Public	3.874	3.799	4.108	3.975	4.085	3.773	3.102	3.009	3.108	3.247
Private	406	398	367	502	353	319	438	441	525	583

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table PN-12

FALL ADMISSIONS TO LPN/LVN PROGRAMS, BY NLN REGION AND TYPE OF ADMINISTRATIVE CONTROL: 1979 TO 1988

NLN REGION BY TYPE OF ADMINISTRATIVE CONTROL [1]	NUMBER OF FALL ADMISSIONS									
	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
All Regions	**36,177**	**37,844**	**38,236**	**39,580**	**37,788**	**33,351**	**29,067**	**27,816**	**28,274**	**30,746**
Technical or vocational school	21,007	21,451	22,064	22,985	21,437	18,341	16,678	15,882	15,655	17,469
Junior or community college	9,503	10,148	10,427	10,566	10,815	9,820	7,843	7,904	8,502	9,681
Secondary school	2,209	2,123	2,002	2,252	2,178	2,491	2,512	2,335	2,166	1,749
Hospital	2,315	2,422	2,843	2,906	2,328	1,501	1,110	758	794	1,191
Government agency	375	273	475	290	315	786	644	611	850	396
Senior college or university	589	539	526	385	540	248	164	150	71	145
Independent agency	179	86	98	186	175	164	116	176	156	115
North Atlantic	8,552	8,382	8,717	9,122	8,868	8,111	7,007	6,423	5,572	6,880
Technical or vocational school	5,844	5,718	5,987	6,116	5,681	5,041	4,515	4,119	3,458	4,753
Junior or community college	618	669	667	908	1,096	1,165	731	726	641	577
Secondary school	913	952	879	1,067	1,109	1,082	1,135	1,082	993	855
Hospital	845	827	904	951	826	686	523	358	314	615
Government agency	54	46	93	35	40	102	66	53	152	80
Senior college or university	218	146	150	0	36	0	0	0	0	0
Independent agency	62	24	37	45	80	35	37	85	14	0
Midwest	10,043	10,223	10,191	10,203	9,667	7,895	6,658	6,466	7,125	7,620
Technical or vocational college	5,678	6,147	6,047	5,839	5,508	4,406	3,588	3,675	4,153	4,381
Junior or community college	3,381	3,227	3,311	3,368	3,365	2,815	2,534	2,362	2,521	2,796
Secondary school	282	279	218	275	190	232	335	351	342	258
Hospital	505	426	473	586	480	255	61	22	22	30
Government agency	30	0	0	0	0	88	80	0	87	65
Senior college or university	70	103	100	95	85	83	60	36	0	50
Independent agency	99	41	42	40	39	16	0	0	0	40
South	13,302	14,242	14,853	15,758	14,815	13,253	11,862	11,477	11,044	12,618
Technical or vocational school	8,211	8,271	8,579	9,120	8,736	7,619	7,246	6,737	6,552	6,874
Junior or community college	2,945	3,836	3,888	3,957	3,786	3,451	2,781	3,034	3,644	4,349
Secondary school	741	613	709	880	728	884	761	644	598	528
Hospital	965	1,169	1,227	1,325	1,004	521	526	378	458	546
Government agency	251	177	295	225	193	525	498	558	611	226
Senior college or university	189	176	136	201	312	140	43	60	29	40
Independent agency	0	0	19	41	56	113	7	66	52	51
West	4,280	4,197	4,475	4,477	4,438	4,029	3,540	3,450	3,533	3,830
Technical or vocational school	1,276	1,315	1,451	1,710	1,512	1,275	1,329	1,351	1,492	1,461
Junior or community college	2,559	2,416	2,561	2,333	2,568	2,389	1,797	1,782	1,776	1,859
Secondary school	273	279	196	221	151	203	281	258	233	308
Hospital	0	0	39	44	18	39	0	0	0	0
Government agency	40	50	88	30	82	71	0	0	0	23
Senior college or university	114	114	140	99	107	25	61	54	42	55
Independent agency	18	23	0	40	0	0	72	25	90	24

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

ENROLLMENTS

Enrollments in LPN/LVN Programs (Tables PN-13 to PN-16)

- Enrollments in LPN/LVN programs rose almost 7 percent in 1988. This increase follows on the heels of a four percent increase in 1987 (Table PN-13 and Figure PN-2).

- The Southern region reported 41.3 percent of the total enrollments in LPN/LVN programs in the United States. The Midwest reported 24.7 percent; the North Atlantic, 20.1 percent; and the West, 13.9 percent (Table PN-14).

- Over 92 percent of the total enrollments are located in publicly supported programs (Table PN-15).

- The distribution of total enrollments among programs under the various types of administrative control mirrors the pattern reported for fall admissions and annual admissions. Examining regional differences, the West has the greatest proportion of enrollments in junior or community colleges (Table PN-16).

Historical trends: Enrollments in LPN/LVN programs peaked in 1974 at 57,902 and again in 1982 at 57,367. The percentage decline over the past decade (1979) has been 18 percent. The five-year trend indicates a 12.4 percent drop since 1984.

Table PN-13
ENROLLMENTS IN LPN/LVN PROGRAMS WITH PERCENTAGE CHANGE FROM PREVIOUS YEAR: 1969 TO 1988

YEAR	ENROLLMENTS	
	Number[1]	Percent Change
1969	47,636	+9.0
1970	52,526	+10.3
1971	57,114	+8.7
1972	57,287	+0.3
1973	56,267	−1.8
1974	57,902	+2.9
1975	58,460	+1.0
1976	58,423	−0.1
1977	56,943	−2.5
1978	54,543	−4.2
1979	52,202	−4.3
1980	52,565	+0.7
1981	55,024	+4.7
1982	57,367	+4.2
1983	55,446	−3.4
1984	48,840	−11.9
1985	39,345	−19.4
1986	38,510	−2.1
1987	40,035	+4.0
1988	42,808	+6.9

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Figure PN-2

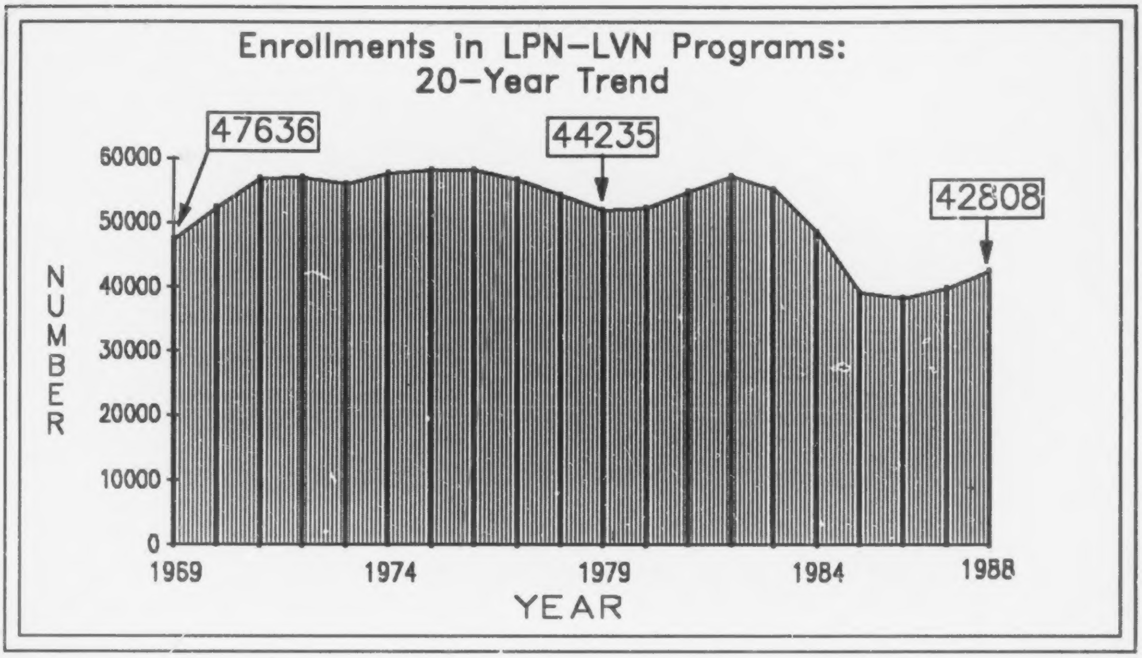

Enrollments in LPN—LVN Programs:
20—Year Trend
47636
44235
42808
60000
50000
40000
30000
20000
10000
0
NUMBER
1969
1974
1979
1984
1988
YEAR

Table PN-14
ENROLLMENTS IN LPN/LVN PROGRAMS, BY NLN REGION AND STATE: 1979-1988

NLN REGION AND STATE	NUMBER OF ENROLLMENTS									
	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
United States[1]	**52,202**	**52,565**	**55,024**	**57,367**	**55,446**	**48,840**	**39,345**	**38,510**	**40,035**	**42,808**
North Atlantic	11,686	11,339	11,867	12,331	12,383	11,177	8,986	8,125	7,731	8,615
Midwest	13,444	13,439	14,098	14,086	13,711	11,279	8,625	8,629	9,787	10,583
South	19,743	20,753	21,664	23,000	22,015	19,393	16,304	15,562	16,241	17,674
West	7,329	7,034	7,395	7,950	7,837	6,991	5,430	6,194	6,276	5,936
Alabama	1,393	1,444	1,493	1,636	1,641	1,178	1,018	1,010	1,131	1,254
Alaska	24	20	23	22	22	7	—	0	0	—
Arizona	368	331	325	319	255	301	239	280	343	283
Arkansas	937	988	1,107	1,187	1,154	762	596	624	894	699
California	4,420	4,226	4,329	4,841	4,137	3,861	3,340	3,431	3,087	3,328
Colorado	458	424	514	533	565	397	199	282	504	368
Connecticut	369	383	409	422	332	328	302	249	242	207
Delaware	163	146	228	272	270	210	63	60	90	86
District of Columbia	184	94	120	119	118	113	140	244	148	202
Florida	2,124	2,192	2,398	2,427	2,465	2,266	1,905	1,658	1,924	2,070
Georgia	1,736	1,714	1,662	1,704	1,719	1,519	1,332	1,170	1,226	1,318
Hawaii	106	137	109	120	117	93	117	126	110	109
Idaho	158	154	166	164	174	128	112	107	97	116
Illinois	2,523	2,531	2,734	2,738	2,471	2,059	1,523	1,335	1,594	1,570
Indiana	911	953	1,030	1,021	1,068	944	883	803	936	1,118
Iowa	939	754	728	674	849	589	427	626	925	877
Kansas	487	435	484	528	467	395	347	619	543	571
Kentucky	633	769	979	1,005	803	748	755	701	771	781
Louisiana	1,334	1,347	1,547	1,577	1,523	1,419	1,340	1,132	1,193	1,270
Maine	247	214	220	222	211	192	151	184	168	213
Maryland	687	697	714	639	670	596	379	308	247	299
Massachusetts	1,220	1,241	1,122	1,141	1,055	881	774	746	781	875
Michigan	1,869	1,803	1,707	1,651	1,481	1,501	1,304	1,256	1,148	1,250
Minnesota	1,343	1,401	1,427	1,361	1,302	1,078	927	1,004	1,145	1,429
Mississippi	800	876	933	820	716	741	513	523	520	400
Missouri	1,104	1,214	1,275	1,254	1,219	1,156	957	894	869	977
Montana	188	170	212	199	196	178	171	166	161	230
Nebraska	435	415	493	545	533	415	303	388	462	476
Nevada	98	86	97	68	49	62	52	60	52	42
New Hampshire	160	181	212	235	203	134	51	103	102	122
New Jersey	1,598	1,537	1,503	1,552	1,586	1,831	1,220	1,115	1,393	1,561
New Mexico	239	190	142	180	275	263	125	248	260	228
New York	4,825	4,603	4,895	5,079	5,132	4,407	4,009	3,395	3,027	3,329
North Carolina	1,039	1,069	1,128	1,103	1,078	860	634	560	504	563
North Dakota	265	242	303	263	327	206	126	82	166	165
Ohio	2,165	2,450	2,644	2,785	2,824	2,155	1,643	1,463	1,777	1,925
Oklahoma	867	937	906	981	994	808	729	730	712	837
Oregon	254	[illegible]	155	183	206	180	129	240	256	56
Pennsylvania	2,686	2,717	2,948	3,038	3,206	2,898	2,085	1,948	1,698	1,938
Rhode Island	95	94	113	125	96	96	98	0	0	0
South Carolina	887	869	926	964	961	710	617	573	556	627
South Dakota	255	278	265	281	282	193	13	20	24	26
Tennessee	988	992	1,137	1,456	691	1,110	1,033	763	893	1,045
Texas	3,862	4,212	3,968	4,471	4,702	4,370	3,414	3,610	3,477	4,273
Utah	237	225	319	375	374	338	287	259	279	335
Vermont	139	129	163	170	174	162	93	81	82	82
Virginia	1,972	2,073	2,211	2,474	2,294	1,981	1,644	1,766	1,776	1,763
Washington	706	752	774	718	859	856	596	915	1,032	701
West Virginia	484	574	566	589	604	408	395	434	417	475
Wisconsin	1,148	963	1,049	1,034	888	657	172	139	198	199
Wyoming	73	124	112	102	108	100	63	80	95	140
American Samoa	30	29	30	25	24	17	17	14	14	14
Guam	41	—	—	—	—	—	—	0	0	—
Puerto Rico	968	1,280	1,308	1,355	1,522	1,661	2,125	1,801	1,607	1,043
Virgin Islands	—	—	—	—	19	20	—	0	0	13

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table PN-15

ENROLLMENTS IN LPN/LVN PROGRAMS, BY NLN REGION AND PRIMARY SOURCE OF FINANCIAL SUPPORT: 1979 TO 1988

NLN REGION BY TYPE OF FINANCIAL SUPPORT [1]	NUMBER OF ENROLLMENTS									
	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
All Regions	**52,202**	**52,565**	**55,024**	**57,367**	**55,446**	**48,840**	**39,345**	**38,510**	**40,035**	**42,808**
Public	48.515	48.986	51.163	52.886	51.103	44.778	35.926	35.785	37.133	39.249
Private	3.687	3,579	3.861	4.481	4,343	4.062	3,419	2,725	2.902	3,559
North Atlantic	11,686	11,339	11.867	12,331	12,383	11,177	8,986	8,125	7,731	8,615
Public	10.684	10,477	11,048	11,342	11.280	9,640	7,401	7,046	6,659	7,214
Private	1.002	862	819	989	1,103	1,537	1,585	1,079	1.072	1,401
Midwest	13,444	13.439	14,098	14.086	13.711	11,279	8,625	8,629	9,787	10,583
Public	12.467	12,586	13.132	13.234	12.758	10.508	8,282	8.378	9.386	10,289
Private	977	853	966	852	953	771	343	251	401	294
South	19,743	20.753	21.664	23,000	22.015	19.393	16,304	15,562	16,241	17,674
Public	18.705	19.607	20.273	21,317	20.414	18.368	15.570	15.037	15,613	16,810
Private	1.038	1.146	1,391	1.683	1.601	1,025	734	525	628	864
West	7.329	7.034	7.395	7,950	7.337	6.991	5.430	6.194	6,276	5.936
Public	6.659	6,316	6.710	6.993	6.651	6,262	4,673	5,324	5,475	4,936
Private	670	718	685	957	686	729	757	870	801	1,000

[1] Excludes American Samoa. Guam, Puerto Rico, and the Virgin Islands

Table PN-16

ENROLLMENTS IN LPN/LVN PROGRAMS, BY NLN REGION AND ADMINISTRATIVE CONTROL: 1979 TO 1988

NLN REGION BY TYPE OF ADMINISTRATIVE CONTROL [1]	NUMBER OF ENROLLMENTS									
	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
All Regions	**52,282**	**52,565**	**55,024**	**57,367**	**55,446**	**48,840**	**39,345**	**38,510**	**40,035**	**42,808**
Technical or vocational school	30,740	30,892	32,729	33,774	31,876	27,254	22,495	21,405	21,931	24,047
Junior or community college	13,765	14,294	14,569	15,048	15,376	13,574	10,499	11,347	12,979	13,297
Secondary school	3,159	3,004	3,096	3,533	3,296	3,771	3,624	3,391	3,134	2,673
Hospital	2,810	2,905	3,098	3,599	3,025	1,991	1,184	891	933	1,396
Government agency	727	584	714	784	962	1,669	1,183	940	700	1,061
Senior college or university	788	719	655	430	642	342	183	298	109	147
Independent agency	284	167	163	199	269	239	177	238	249	187
North Atlantic	11,686	11,339	11,867	12,331	12,383	11,177	8,986	8,125	7,731	8,615
Technical or vocational school	8,117	7,866	8,347	8,556	8,564	7,375	5,949	5,204	5,043	6,068
Junior or community college	807	791	852	987	1,123	1,245	863	890	782	804
Secondary school	1,383	1,417	1,324	1,492	1,441	1,549	1,590	1,518	1,345	1,010
Hospital	961	940	968	1,001	887	723	489	372	394	655
Government agency	62	67	101	241	245	252	72	59	153	78
Senior college or university	294	234	239	0	36	0	0	0	0	0
Independent agency	82	24	36	44	87	33	23	82	14	0
Midwest	13,444	13,430	14,098	14,086	13,711	11,279	8,625	8,629	9,787	10,583
Technical or vocational college	7,948	8,215	8,653	8,270	7,943	6,569	4,677	4,837	5,245	5,719
Junior or community college	4,272	4,176	4,381	4,542	4,692	3,683	3,085	3,273	3,738	4,181
Secondary school	366	336	320	411	290	394	488	416	514	404
Hospital	599	526	582	712	626	324	91	59	68	95
Government agency	33	0	0	0	0	188	206	0	190	96
Senior college or university	68	102	100	93	92	88	53	35	18	34
Independent agency	158	84	62	58	68	33	25	9	14	54
South	19,743	20,753	21,864	23,000	22,015	19,393	16,304	15,562	16,241	17,674
Technical or vocational school	12,410	12,536	13,143	14,041	12,913	11,084	9,754	9,031	9,634	10,085
Junior or community college	4,188	5,182	5,250	5,272	5,539	4,860	3,890	4,084	4,833	5,280
Secondary school	1,154	997	1,147	1,146	1,142	1,229	1,068	939	582	739
Hospital	1,250	1,436	1,523	1,835	1,494	893	604	460	471	646
Government agency	468	368	442	421	462	981	905	881	357	856
Senior college or university	256	223	131	228	386	211	76	84	28	38
Independent agency	17	11	28	57	79	135	7	83	36	50
West	7,329	7,034	7,395	7,950	7,337	6,991	5,430	6,194	6,276	5,936
Technical or vocational school	2,265	2,275	2,586	2,907	2,456	2,226	2,115	2,333	2,009	2,175
Junior or community college	4,468	4,145	4,086	4,237	4,022	3,786	2,661	3,100	3,626	3,052
Secondary school	256	254	305	484	423	599	478	518	393	520
Hospital	0	3	25	51	18	51	0	0	0	0
Government agency	164	149	171	122	255	248	0	0	0	31
Senior college or university	129	160	185	109	128	43	54	179	63	75
Independent agency	47	48	37	40	35	38	122	64	185	83

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

GRADUATIONS

Graduations From LPN/LVN Programs (Tables PN-17 to PN-20)

- The number of graduations from practical and vocational nursing programs fell for the fifth year to 26,912 in 1987-88. This represents a 1.4 percent decrease this year (Table PN-17 and Figure PN-3).
- The majority of graduates of LPN/LVN programs are coming from Southern schools (39.7%). The Midwestern schools reported 25.4 percent of the graduations, the North Atlantic schools 18.0 percent, and the Western schools 16.8 percent (Table PN-18).
- Graduations from publicly supported schools constitute 92.3 percent of the total (Table PN-19).
- Over half the graduations from LPN/LVN programs stem from technical or vocational schools (54.3%). Over a third graduated from junior or community colleges (35.4%). Graduations from hospital programs (2.9%), secondary schools (5.5%), government agencies (1.2%), senior colleges (0.5%) and independent agencies (0.3%) account for the remaining graduates (Table PN-20).

Historical trends: The number of LPN/LVN graduates peaked in 1975-76 at 47,145. Since then, the number of graduations has dropped an amazing 43 percent. Graduations declined 39.7 percent in the past five years alone.

Table PN-17
GRADUATIONS FROM LPN/LVN PROGRAMS WITH PERCENTAGE CHANGE FROM PREVIOUS YEAR: 1968-69 TO 1987-88

YEAR[1]	GRADUATIONS[2]		YEAR[1]	GRADUATIONS[2]	
	Number	Percent Change		Number	Percent Change
1968-69	34,344	+13.4	1978-79	44,235	− 2.5
1969-70	36,456	+ 6.1	1979-80	41,892	− 5.3
1970-71	37,954	+ 4.1	1980-81	41,002	− 2.1
1971-72	43,673	+15.1	1981-82	43,299	+ 5.6
1972-73	45,565	+ 4.3	1982-83	45,174	+ 4.3
1973-74	45,002	− 1.2	1983-84	44,654	− 2.5
1974-75	45,375	+ 0.8	1984-85	36,955	−17.2
1975-76	47,145	+ 3.9	1985-86	29,599	−19.9
1976-77	46,614	− 1.1	1986-87	27,285	− 7.8
1977-78	45,350	− 2.7	1987-88	26,912	− 1.4

[1] Time period is September 1 through August 31 for academic years 1965-66 through 1981-82 and August 1 through July 31 for subsequent years.
[2] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Figure PN-3

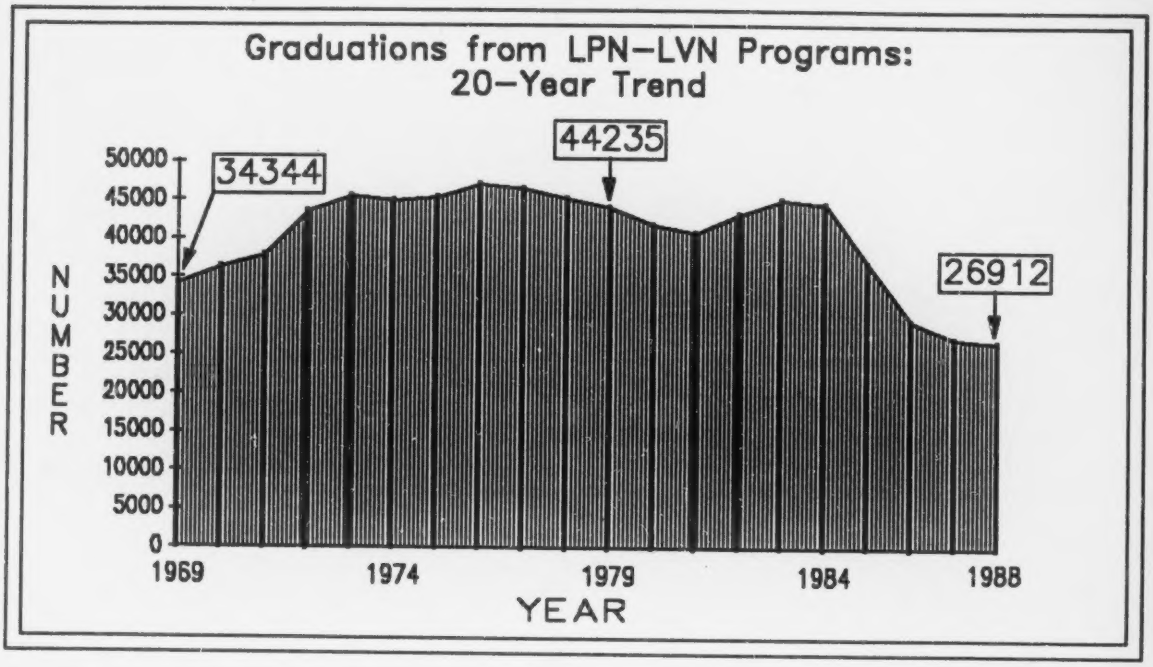
Graduations from LPN–LVN Programs:
20–Year Trend
50000
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
NUMBER
34344
44235
26912
1969
1974
1979
1984
1988
YEAR

Table PN-18

GRADUATIONS FROM LPN/LVN PROGRAMS, BY NLN REGION AND STATE: 1978-79 TO 1987-88

NLN REGION AND STATE	NUMBER OF GRADUATIONS									
	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
United States[1]	**44,235**	**41,892**	**41,002**	**43,299**	**45,174**	**44,054**	**36,955**	**29,599**	**27,285**	**26,912**
North Atlantic	9,298	8,616	7,952	8,291	8,782	8,858	7,605	6,168	5,207	4,856
Midwest	12,352	11,522	11,557	11,983	12,565	11,715	9,077	7,085	6,619	6,839
South	15,789	15,629	15,486	16,497	17,083	16,978	14,322	11,703	10,879	10,693
West	6,796	6,125	6,007	6,528	6,744	6,503	5,951	4,643	4,580	4,524
Alabama	1,097	1,138	1,105	1,216	1,226	1,392	1,014	812	783	749
Alaska	19	16	15	8	12	15	—	—	—	—
Arizona	453	367	329	389	384	400	464	243	316	275
Arkansas	783	825	954	908	1,181	947	699	504	625	540
California	3,371	3,095	2,944	3,189	3,489	2,999	2,896	2,343	2,207	2,039
Colorado	531	459	480	497	511	526	304	269	260	323
Connecticut	388	343	279	228	229	296	311	256	257	246
Delaware	72	78	50	91	82	89	63	64	44	55
District of Columbia	108	70	65	81	71	59	45	44	61	42
Florida	1,797	1,819	1,828	1,927	2,148	2,250	1,930	1,512	1,374	1,428
Georgia	1,422	1,416	1,270	1,267	1,461	1,301	1,101	923	883	794
Hawaii	119	100	124	116	128	114	91	97	63	71
Idaho	196	179	136	150	138	149	128	74	90	90
Illinois	2,151	2,086	2,120	2,125	2,259	1,913	1,566	1,296	1,030	1,100
Indiana	841	727	768	855	857	893	824	674	669	699
Iowa	917	877	722	754	809	710	483	397	489	581
Kansas	556	548	573	570	716	681	512	419	469	531
Kentucky	435	547	595	803	708	722	684	545	596	554
Louisiana	1,002	1,008	943	976	1,109	1,035	911	798	763	699
Maine	189	201	213	185	247	266	156	146	152	131
Maryland	376	357	367	379	387	429	254	204	175	178
Massachusetts	1,078	1,029	980	1,184	913	837	611	590	541	550
Michigan	1,698	1,577	1,524	1,613	1,488	1,348	1,112	1,013	955	767
Minnesota	1,281	1,205	1,204	1,135	1,118	1,058	908	715	718	752
Mississippi	688	618	694	708	657	588	531	360	418	324
Missouri	1,001	931	903	1,068	1,073	1,096	972	819	644	666
Montana	165	168	133	129	132	155	145	106	100	121
Nebraska	364	365	338	381	468	446	391	255	227	290
Nevada	91	83	72	86	67	57	62	45	43	56
New Hampshire	155	114	146	143	200	209	122	80	56	74
New Jersey	1,361	1,257	1,138	1,190	1,171	1,132	1,162	1,052	814	740
New Mexico	314	230	278	296	294	274	266	197	152	135
New York	3,092	2,735	2,565	2,498	2,924	2,933	2,736	2,059	1,844	1,630
North Carolina	1,010	878	870	873	929	788	539	463	329	314
North Dakota	278	238	243	249	282	256	95	42	44	78
Ohio	2,097	1,861	2,036	2,176	2,333	2,380	1,821	1,300	1,215	1,227
Oklahoma	739	736	774	704	721	720	686	594	489	539
Oregon	345	356	365	375	358	319	343	315	265	309
Pennsylvania	2,590	2,564	2,338	2,479	2,705	2,855	2,214	1,709	1,336	1,282
Rhode Island	95	86	72	99	111	87	78	79	45	48
South Carolina	478	448	508	542	515	576	416	362	321	317
South Dakota	207	208	229	215	245	231	24	13	17	19
Tennessee	899	1,046	974	1,355	936	821	960	597	655	702
Texas	3,607	3,441	3,136	3,221	3,410	3,885	3,203	2,750	2,397	2,437
Utah	249	261	246	267	339	311	248	237	233	266
Vermont	170	139	123	131	129	128	107	89	57	58
Virginia	1,016	923	993	1,114	1,149	1,083	1,001	840	751	778
Washington	879	753	788	874	806	953	919	658	784	765
West Virginia	440	429	475	514	546	497	393	439	320	340
Wisconsin	961	899	897	880	917	752	369	142	142	129
Wyoming	64	58	80	86	86	93	85	59	67	74
American Samoa	9	10	10	8	0	12	12	8	8	8
Guam	24	16	—	—	—	—	—	0	0	—
Puerto Rico	798	618	856	897	932	1,020	1,415	1,086	931	501
Virgin Islands	—	—	—	—	—	—	—	0	0	15

[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table PN-19

GRADUATIONS FROM LPN/LVN PROGRAMS, BY NLN REGION AND PRIMARY SOURCE OF FINANCIAL SUPPORT: 1978-79 TO 1987-88

NLN REGION BY TYPE OF FINANCIAL SUPPORT [1]	NUMBER OF GRADUATIONS									
	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
All Regions	**44,235**	**41,892**	**41,002**	**43,299**	**45,174**	**44,054**	**36,955**	**29,599**	**27,285**	**26,912**
Public	40,625	38,768	38,120	40,259	41,343	39,721	33,732	27,594	25,133	24,832
Private	3,610	3,124	2,882	3,040	3,831	4,333	3,223	2,005	2,152	2,080
North Atlantic	9,298	8,616	7,952	8,291	8,782	8,858	7,605	6,168	5,207	4,856
Public	8,297	7,698	7,312	7,629	7,845	7,303	6,221	5,319	4,397	4,050
Private	1,001	918	640	662	937	1,555	1,384	849	810	806
Midwest	12,352	11,522	11,557	11,983	12,565	11,715	9,077	7,085	6,619	6,839
Public	11,311	10,693	10,720	11,387	11,697	10,758	8,591	6,848	6,295	6,653
Private	1,041	829	837	596	868	957	486	237	324	186
South	15,789	15,629	15,486	16,497	17,083	16,978	14,322	11,703	10,879	10,693
Public	14,826	14,758	14,560	15,325	15,708	15,755	13,622	11,316	10,444	10,197
Private	963	871	926	1,172	1,375	1,223	700	387	435	496
West	6,796	6,125	6,007	6,528	6,744	6,503	5,951	4,643	4,580	4,524
Public	6,191	5,619	5,528	5,918	6,093	5,905	5,298	4,111	3,997	3,932
Private	605	506	479	610	651	598	653	532	583	592

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[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Table PN-20

GRADUATIONS FROM LPN/LVN PROGRAMS, BY NLN REGION AND TYPE OF ADMINISTRATIVE CONTROL: 1978-79 TO 1987-88

NLN REGION BY TYPE OF ADMINISTRATIVE CONTROL [1]	NUMBER OF GRADUATIONS									
	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88
All Regions	**44,235**	**41,892**	**41,002**	**43,299**	**45,174**	**44,854**	**36,955**	**29,599**	**27,285**	**26,912**
Technical or vocational school	24,971	23,901	23,297	24,786	25,302	24,089	20,487	16,565	14,946	14,608
Junior or community college	12,656	12,276	12,421	12,963	14,034	13,116	11,266	8,784	8,956	9,519
Secondary school	1,897	1,792	1,513	1,838	1,827	2,629	2,640	2,334	1,647	1,476
Hospital	2,947	2,371	2,403	2,577	2,780	2,409	1,271	833	714	782
Government agency	776	538	591	576	646	1,179	827	707	747	314
Senior college or university	728	772	640	413	484	393	284	213	93	131
Independent agency	260	242	137	146	101	239	180	163	182	82
North Atlantic	9,298	8,616	7,952	8,291	8,782	8,858	7,605	6,168	5,207	4,856
Technical or vocational school	6,277	5,887	5,530	5,812	6,092	5,857	5,182	4,112	3,553	3,448
Junior or community college	881	786	728	845	961	1,066	811	615	525	480
Secondary school	754	763	639	786	746	1,023	1,063	951	724	542
Hospital	1,009	804	783	733	800	736	474	383	304	341
Government agency	62	33	53	38	124	138	55	49	101	45
Senior college or university	271	295	179	0	29	0	0	0	0	0
Independent agency	44	48	40	27	30	38	20	58	0	0
Midwest	12,352	11,522	11,557	11,983	12,565	11,715	9,077	7,085	6,619	6,830
Technical or vocational college	7,021	6,778	6,703	6,888	6,980	6,569	4,884	3,972	3,529	3,629
Junior or community college	4,110	3,739	3,914	4,124	4,598	4,052	3,269	2,549	2,601	2,780
Secondary school	270	284	245	308	254	413	550	455	300	267
Hospital	670	504	561	511	578	423	130	61	57	59
Government agency	25	4	0	0	0	110	144	0	115	48
Senior college or university	89	83	93	112	111	97	56	32	0	33
Independent agency	157	130	41	40	44	51	44	16	17	14
South	15,789	15,629	15,486	16,497	17,083	16,978	14,322	11,703	10,879	10,693
Technical or vocational school	9,583	9,416	9,230	10,055	10,182	9,782	8,367	6,858	6,470	6,231
Junior or community college	3,727	4,055	4,135	4,089	4,319	4,251	3,912	3,179	3,078	3,458
Secondary school	632	517	501	540	624	791	664	524	395	369
Hospital	1,216	1,050	1,055	1,273	1,402	1,195	667	389	353	382
Government agency	412	359	402	370	353	684	628	658	531	201
Senior college or university	210	216	135	128	176	160	69	48	27	24
Independent agency	9	16	28	42	27	115	15	47	25	28
West	6,796	6,125	6,007	6,528	6,744	6,503	5,951	4,643	4,580	4,524
Technical or vocational school	2,090	1,820	1,834	2,031	2,048	1,881	2,054	1,623	1,394	1,300
Junior or community college	3,938	3,696	3,644	3,905	4,156	3,747	3,274	2,441	2,752	2,792
Secondary school	241	228	128	204	203	402	363	404	228	298
Hospital	52	13	4	10	0	55	0	0	0	0
Government agency	277	142	136	168	169	247	0	0	0	20
Senior college or university	158	178	233	173	168	136	159	133	86	74
Independent agency	40	48	28	37	0	35	101	42	140	40

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands

MEN AND MINORITY STUDENTS

Admissions of Men and Minority Students (Tables PN-21 to PN-22)

- Survey questions concerning men and minority students were answered by 780 programs. This represents approximately three quarters of the total population of LPN/LVN programs.

- In 1988, blacks constituted almost 20 percent of students who were admitted to LPN/LVN programs. Eight percent of annual admissions were men, and over 4 percent were Hispanic. Asians and American Indians each accounted for about 2 and 1 percent of the admissions, respectively (Table PN-21).

- The West reported the largest proportions of male, Hispanic, Asian, and American Indian students admitted. The South reported the greatest number of blacks (Table PN-21).

- The proportion of blacks admitted to LPN/LVN programs has increased since 1978 when NLN first began collecting such data and appears to have stabilized in 1988. The proportion of American Indian LPN/LVN admissions has remained relatively unchanged since 1984 and Hispanic and Asian admissions have been increasing very slightly since that year. Male admissions, on the other hand, have increased significantly in the last year (Table PN-22).

Table PN-21

ADMISSIONS OF MEN AND MINORITY STUDENTS TO LPN/LVN PROGRAMS, BY NLN REGION AND STATE: 1987-88[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL LPN/LVN ADMISSIONS[2]	NUMBER OF ADMISSIONS				
			Male	Black	Hispanic	Asian	American Indian
United States	**780**	**33,189**	**2,602**	**6,524**	**1,447**	**591**	**233**
North Atlantic	146	6,568	363	1,442	144	55	7
Midwest	181	8,105	443	1,233	143	70	38
South	348	14,307	1,365	3,154	733	92	130
West	105	4,119	431	695	427	374	58
Alabama	16	940	48	321	5	—	3
Alaska	0	—	—	—	—	—	—
Arizona	6	323	35	13	43	10	19
Arkansas	21	547	13	50	3	1	5
California	39	1,953	158	600	259	253	13
Colorado	12	333	71	22	43	3	4
Connecticut	7	198	57	12	9	3	—
Delaware	3	116	2	7	—	—	—
District of Columbia	2	283	9	276	1	1	—
Florida	27	1,871	186	589	88	39	3
Georgia	27	905	15	224	2	3	0
Hawaii	3	88	4	2	—	67	—
Idaho	5	119	8	2	3	1	2
Illinois	22	1,290	69	375	79	34	—
Indiana	15	843	28	74	3	2	—
Iowa	15	404	36	9	3	5	1
Kansas	14	609	32	44	13	1	5
Kentucky	14	744	29	57	—	—	—
Louisiana	17	882	37	282	9	1	3
Maine	4	155	7	—	1	1	—
Maryland	12	256	12	53	—	—	—
Massachusetts	17	604	35	91	22	5	—
Michigan	22	1,135	77	361	9	4	7
Minnesota	18	858	44	24	9	13	12
Mississippi	11	445	16	197	—	4	1
Missouri	29	860	31	144	4	4	1
Montana	2	78	9	3	1	2	1
Nebraska	7	401	6	5	12	—	5
Nevada	2	20	1	—	—	—	—
New Hampshire	2	89	10	1	—	—	—
New Jersey	17	778	31	219	24	15	—
New Mexico	6	209	16	9	50	4	3
New York	45	2,418	104	654	76	17	7
North Carolina	18	426	17	115	6	2	7
North Dakota	2	133	10	—	—	—	—
Ohio	31	1,328	95	150	9	4	4
Oklahoma	23	729	38	38	8	3	84
Oregon	7	36	5	—	—	—	—
Pennsylvania	46	1,847	103	181	11	12	—
Rhode Island	0	—	—	—	—	—	—
South Carolina	18	505	9	157	—	3	—
South Dakota	1	26	—	—	—	—	3
Tennessee	20	1,080	33	132	4	—	10
Texas	69	3,510	854	615	601	29	13
Utah	5	317	38	2	11	3	6
Vermont	3	80	5	1	—	1	—
Virginia	39	1,102	34	313	2	6	1
Washington	13	529	65	41	17	29	10
West Virginia	16	455	24	11	5	1	—
Wisconsin	5	218	15	47	2	3	—
Wyoming	5	114	21	1	—	2	—
American Samoa	0	—	—	—	—	—	—
Guam	0	—	—	—	—	—	—
Puerto Rico	9	571	52	—	556	—	—
Virgin Islands	1	22	—	21	1	—	—

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Figures represent only those programs responding to this section of the questionnaire.

Table PN-22

TRENDS IN ADMISSIONS OF MEN AND MINORITY STUDENTS IN LPN/LVN PROGRAMS, 1978 TO 1988[1]

YEAR	NUMBER OF PROGRAMS REPORTING	MEN		BLACKS		HISPANIC		ASIAN		AMERICAN INDIAN	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
ALL REGIONS											
1978	1,084	2,322	4.4	5,881	11.1	1,580	3.0	714	1.4	*	*
1981	1,081	2,749	6.1	6,252	14.6	1,683	4.9	731	2.2	*	*
1984	912	3,170	6.5	7,732	15.8	1,766	3.6	506	1.0	519	1.1
1985	851	2,167	6.1	5,829	16.4	1,327	3.7	379	1.1	339	1.0
1987	738	1,862	6.1	5,928	19.5	1,270	4.2	460	1.5	224	0.7
1988	780	2,602	7.8	6,524	19.7	1,447	4.3	591	1.9	233	0.7
NORTH ATLANTIC											
1978	195	403	3.7	861	7.8	176	1.6	47	0.4	*	*
1981	187	408	4.6	860	10.1	211	3.0	44	0.7	*	*
1984	166	518	4.8	1,691	15.7	236	2.2	44	0.4	46	0.4
1985	158	513	6.1	1,229	14.7	158	1.9	52	0.6	26	0.3
1987	135	266	4.5	1,280	21.4	208	3.5	61	1.0	17	0.3
1988	146	363	5.5	1,442	22.0	144	2.2	55	0.8	7	0.1
MIDWEST											
1978	230	374	2.7	1,143	8.4	105	0.8	134	1.0	*	*
1981	252	695	5.2	1,237	11.6	112	1.3	122	1.4	*	*
1984	205	790	6.5	1,621	13.4	163	1.3	113	0.9	170	1.4
1985	199	517	6.0	978	11.3	75	0.9	67	0.8	34	0.4
1987	181	505	6.2	1,148	14.0	147	1.8	76	0.9	55	0.7
1988	181	443	5.4	1,233	15.2	143	1.8	70	0.9	38	0.5
SOUTH											
1978	483	971	4.7	3,322	16.1	703	3.4	201	1.0	*	*
1981	468	995	5.9	3,401	18.5	654	4.8	195	1.5	*	*
1984	408	1,139	5.7	3,821	19.3	752	3.8	125	0.6	140	0.7
1985	368	757	5.3	3,162	21.9	682	4.7	75	0.5	194	1.3
1987	314	726	6.0	3,001	24.7	556	4.6	73	0.6	65	0.5
1988	348	1,365	9.5	3,154	21.9	733	5.1	92	0.6	130	0.9
WEST											
1978	176	574	7.8	555	7.5	596	8.1	332	4.5	*	*
1981	174	651	11.5	754	14.3	706	12.9	370	6.7	*	*
1984	133	723	11.5	599	9.5	615	9.8	224	3.6	163	2.6
1985	126	380	9.2	460	11.2	412	1.0	185	4.5	85	2.1
1987	108	365	8.9	489	11.9	359	8.8	250	6.1	87	2.1
1988	105	431	10.5	695	16.9	427	10.4	374	9.1	58	1.4

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands

* "American Indian/Oriental" was one category before 1984

Enrollments of Men and Minority Students (Tables PN-23 to PN-24)

- The South reported the greatest number of male and black enrollees, whereas the West registered the largest number of Hispanic, Asian, and American Indians (Table PN-23).
- The proportion of men enrolled in LPN/LVN programs grew to 7.8 percent in 1988. The greatest increase is found in the South where enrollments of men doubled between 1985 and 1988 (Table PN-24).
- Blacks comprised 17.4 percent of LPN/LVN enrollments in 1988. This represents a small increase from the 1987 figure. The percent of Hispanic enrollees fell slightly as did the number of American Indians (Table PN-24).

Table PN-23
ENROLLMENTS OF MEN AND MINORITY STUDENTS TO LPN/LVN PROGRAMS, BY NLN REGION AND STATE: 1987-88[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL LPN/LVN ENROLLMENTS[2]	NUMBER OF ENROLLMENTS				
			Male	Black	Hispanic	Asian	American Indian
United States	**779**	**32,756**	**2,568**	**5,711**	**1,083**	**557**	**184**
North Atlantic	146	6,825	403	1,333	126	63	11
Midwest	180	8,331	410	1,127	114	82	25
South	348	13,713	1,389	2,783	486	130	102
West	105	3,887	366	468	337	282	46
Alabama	16	859	54	277	4	—	—
Alaska	0	—	—	—	—	—	—
Arizona	6	203	28	10	27	7	11
Arkansas	21	514	65	57	1	1	2
California	39	1,841	167	414	213	196	14
Colorado	12	368	38	10	42	1	3
Connecticut	7	134	24	11	3	3	1
Delaware	3	86	2	7	—	—	—
District of Columbia	2	202	8	190	—	1	1
Florida	27	1,614	135	499	66	34	4
Georgia	27	820	21	148	4	15	—
Hawaii	3	79	6	1	1	50	—
Idaho	5	116	8	2	3	1	—
Illinois	22	1,318	64	342	64	47	1
Indiana	15	886	25	85	8	—	—
Iowa	15	440	25	9	2	2	—
Kansas	14	571	29	40	5	2	5
Kentucky	14	651	20	50	—	—	—
Louisiana	17	600	22	162	6	—	1
Maine	4	177	4	3	1	1	—
Maryland	12	284	6	64	3	2	1
Massachusetts	17	625	63	96	18	4	1
Michigan	22	1,143	91	315	9	7	10
Minnesota	18	883	31	22	4	5	5
Mississippi	11	400	9	147	1	—	1
Missouri	29	938	37	144	1	4	2
Montana	2	89	8	1	1	2	3
Nebraska	7	436	12	2	4	2	1
Nevada	2	12	1	—	—	—	—
New Hampshire	2	122	4	1	1	—	—
New Jersey	17	779	35	139	19	18	2
New Mexico	6	228	12	5	25	3	2
New York	45	2,695	147	723	60	21	6
North Carolina	18	434	21	86	5	9	2
North Dakota	2	139	7	—	—	—	—
Ohio	30	1,352	75	138	14	9	1
Oklahoma	23	725	43	46	10	4	67
Oregon	7	36	4	—	—	—	1
Pennsylvania	46	1,923	105	163	15	15	—
Rhode Island	0	—	—	—	—	—	—
South Carolina	18	515	4	122	—	1	—
South Dakota	1	26	2	—	—	—	—
Tennessee	20	946	38	103	3	3	10
Texas	69	3,458	895	603	376	57	14
Utah	5	322	44	1	9	4	5
Vermont	3	82	11	—	—	—	—
Virginia	39	1,465	32	411	6	4	—
Washington	13	464	42	22	12	18	7
West Virginia	16	428	24	8	1	—	—
Wisconsin	5	199	12	30	3	4	—
Wyoming	5	129	8	2	4	—	—
American Samoa	0	—	—	—	—	—	—
Guam	0	—	—	—	—	—	—
Puerto Rico	9	678	59	—	678	—	—
Virgin Islands	1	13	—	10	2	1	—

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Figures represent only those programs responding to this section of the questionnaire.

Table PN-24

TRENDS IN ENROLLMENTS OF MEN AND MINORITY STUDENTS IN LPN/LVN PROGRAMS, 1978 TO 1988[1]

YEAR	NUMBER OF PROGRAMS REPORTING	MEN		BLACKS		HISPANIC		ASIAN		AMERICAN INDIAN	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
ALL REGIONS											
1978	1,084	1,864	3.9	5,141	10.7	1,494	3.1	608	1.3	*	*
1981	903	2,385	5.8	5,588	14.0	1,584	4.9	642	2.1	*	*
1984	912	2,618	6.6	6,045	15.2	1,547	3.9	525	1.3	414	1.0
1985	851	1,664	5.6	5,055	16.9	1,126	3.8	409	1.4	290	1.0
1988	779	2,568	7.8	5,711	17.4	1,063	3.2	557	1.7	184	0.6
NORTH ATLANTIC											
1978	195	350	3.1	999	8.9	248	2.2	33	0.3	*	*
1981	159	433	4.9	1,037	11.7	260	3.5	48	0.7	*	*
1984	166	631	6.6	1,545	16.1	210	2.2	51	0.5	28	0.3
1985	158	423	5.7	1,101	14.9	145	2.0	62	0.8	24	0.3
1988	146	403	5.9	1,333	19.5	126	1.8	63	0.9	11	0.2
MIDWEST											
1978	230	277	2.3	906	7.5	94	0.8	106	0.9	*	*
1981	218	598	5.0	1,255	12.7	108	1.3	99	1.2	*	*
1984	205	569	6.1	1,203	12.8	120	1.3	94	1.0	114	1.2
1985	199	375	5.3	877	12.4	76	1.1	61	0.9	38	0.5
1988	180	410	4.9	1,127	13.5	114	1.4	82	1.0	25	0.3
SOUTH											
1978	483	792	4.4	2,836	15.8	676	3.8	163	0.9	*	*
1981	382	730	4.7	2,691	16.8	558	4.8	168	1.5	*	*
1984	408	846	5.5	2,801	18.4	601	3.9	103	0.7	99	0.6
1985	368	583	4.9	2,616	21.8	492	4.1	85	0.7	154	1.3
1988	348	1,389	10.1	2,783	20.3	486	3.5	130	0.9	102	0.7
WEST											
1978	176	445	6.5	400	5.8	476	6.9	306	4.5	*	*
1981	150	624	11.4	605	12.0	658	12.4	327	6.3	*	*
1984	133	572	10.5	496	9.1	616	11.3	277	5.1	173	3.2
1985	126	283	8.2	461	13.4	413	12.0	201	5.8	74	2.1
1988	105	366	9.4	468	12.0	337	8.7	282	7.3	46	1.2

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

* "American Indian/Oriental" was one category before 1984

Graduations of Men and Minority Students (Tables PN-25 to PN-26)

- The South reported greater numbers of male, black, Hispanic, and American Indian graduates than any other region. The West claimed the greatest number of Asian graduates (Table PN-25).
- Between 1985 and 1988 there were increases in the proportion of men and minority graduations from LPN/LVN programs. The percent of male graduates grew to 5.8 percent and the proportion of black graduates rose to almost 16 percent. Hispanics comprised 4 percent of the graduations from LPN/LVN programs in 1988; Asians, almost 2 percent; and American Indians, almost 1 percent (Table PN-26).
- The North Atlantic region reported the greatest percentage of black graduates. The West, however, reported the largest group of men, Hispanic, Asian, and American Indian graduates from LPN/LVN programs (Table PN-26).

Table PN-25

GRADUATIONS OF MEN AND MINORITY STUDENTS FROM LPN/LVN PROGRAMS, BY NLN REGION AND STATE: 1987-88[1]

NLN REGION AND STATE	NUMBER OF PROGRAMS REPORTING	TOTAL LPN/LVN GRADUATIONS[2]	NUMBER OF GRADUATIONS				
			Male	Black	Hispanic	Asian	American Indian
United States	**782**	**20,396**	**1,184**	**3,244**	**829**	**354**	**181**
North Atlantic	147	3,949	208	801	124	34	21
Midwest	181	5,351	212	655	61	48	16
South	349	8,209	516	1,523	386	72	76
West	105	2,887	248	265	258	200	48
Alabama	16	524	21	183	3	2	2
Alaska	0	—	—	—	—	—	—
Arizona	6	155	9	4	12	6	7
Arkansas	21	384	8	33	4	—	1
California	39	1,148	101	208	155	134	14
Colorado	12	265	24	16	35	1	5
Connecticut	7	150	3	13	4	3	15
Delaware	3	55	2	5	1	—	—
District of Columbia	2	42	9	36	1	1	—
Florida	27	1,097	62	264	50	26	1
Georgia	27	526	12	132	24	8	1
Hawaii	3	52	1	—	—	38	—
Idaho	5	90	1	—	1	1	2
Illinois	22	897	32	241	22	30	—
Indiana	15	557	21	43	2	1	—
Iowa	15	273	14	7	2	—	—
Kansas	14	483	22	40	7	1	5
Kentucky	14	459	21	22	—	1	—
Louisiana	17	353	18	103	1	—	1
Maine	4	98	4	—	—	—	—
Maryland	13	178	4	45	1	1	—
Massachusetts	17	425	19	61	12	3	—
Michigan	22	688	43	193	6	4	2
Minnesota	18	482	18	3	3	2	6
Mississippi	11	290	8	91	2	—	—
Missouri	29	639	20	33	8	2	—
Montana	2	52	3	1	1	2	—
Nebraska	7	270	3	1	2	—	—
Nevada	2	23	2	—	—	1	1
New Hampshire	2	40	1	—	—	—	—
New Jersey	17	460	29	121	19	8	—
New Mexico	6	122	11	6	32	1	2
New York	45	1,351	79	452	71	11	1
North Carolina	18	746	4	59	2	2	2
North Dakota	2	51	2	—	—	—	—
Ohio	31	863	27	74	6	6	3
Oklahoma	23	500	19	29	6	—	56
Oregon	7	181	25	—	2	1	3
Pennsylvania	47	1,270	60	113	16	7	5
Rhode Island	0	—	—	—	—	—	—
South Carolina	18	276	4	76	—	1	1
South Dakota	1	19	—	—	—	—	—
Tennessee	20	650	14	60	3	—	3
Texas	69	1,777	291	240	276	19	8
Utah	5	255	27	1	7	—	4
Vermont	3	58	2	—	—	1	—
Virginia	39	648	20	173	14	11	—
Washington	13	481	41	28	13	14	10
West Virginia	16	301	10	13	—	1	—
Wisconsin	5	129	10	20	3	2	—
Wyoming	5	63	3	1	—	1	—
American Samoa	0	—	—	—	—	—	—
Guam	0	—	—	—	—	—	—
Puerto Rico	9	328	26	—	328	—	—
Virgin Islands	1	15	—	15	—	—	—

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[1] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[2] Figures represent only those programs responding to this section of the questionnaire.

Table PN-26

TRENDS IN GRADUATIONS OF MEN AND MINORITY STUDENTS IN LPN/LVN PROGRAMS, 1978 TO 1988[1]

YEAR	NUMBER OF PROGRAMS REPORTING	MEN		BLACKS		HISPANIC		ASIAN		AMERICAN INDIAN	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
ALL REGIONS											
1978	1.084	1.389	3.5	3.515	9.0	986	2.5	383	1.0	*	*
1981	887	1.386	4.6	3.565	12.4	1.110	4.7	437	1.9	*	*
1984	912	1.894	5.2	4.178	11.5	1.000	2.8	312	0.9	305	0.8
1985	851	1.372	4.9	3.904	13.6	876	3.1	418	1.5	†	†
1988	782	1.164	5.8	3.244	15.9	829	4.1	354	1.7	161	0.8
NORTH ATLANTIC											
1978	195	247	2.9	563	6.6	100	1.2	37	0.4	*	*
1981	154	222	3.7	563	10.4	113	2.4	34	0.8	*	*
1984	166	331	4.4	945	12.5	85	1.1	18	0.2	18	0.2
1985	158	250	4.0	1.048	16.6	110	1.7	147	2.3	22	0.3
1988	147	208	5.3	601	20.3	124	3.1	34	0.9	21	0.5
MIDWEST											
1978	230	183	1.7	671	6.1	71	0.6	75	0.7	*	*
1981	211	327	3.5	795	10.1	83	1.4	83	1.4	*	*
1984	205	474	5.0	875	9.3	84	0.9	36	0.4	83	0.9
1985	199	312	4.1	645	8.5	59	0.8	40	0.5	†	†
1988	181	212	4.0	655	12.2	61	1.1	48	0.9	16	0.3
SOUTH											
1978	483	632	4.5	2.047	14.4	489	3.5	104	0.7	*	*
1981	373	380	4.7	1.611	15.8	436	5.3	104	1.3	*	*
1984	408	627	4.4	2.043	14.3	437	3.1	56	0.4	115	0.8
1985	368	503	4.7	1.674	15.6	400	3.7	73	0.7	167	1.6
1988	349	516	6.3	1.523	18.6	386	4.7	72	0.9	76	0.9
WEST											
1978	176	327	6.0	234	4.3	326	6.0	167	3.0	*	*
1981	155	357	7.7	376	9.5	478	11.0	216	5.0	*	*
1984	133	462	9.2	315	6.3	394	7.9	202	4.0	89	1.8
1985	126	307	7.6	537	13.4	307	7.6	158	3.9	52	1.3
1988	105	248	8.6	265	9.2	258	8.9	200	6.9	48	1.7

[1] Excludes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

* "American Indian/Oriental" was one category before 1984.

† Not available.

TUITION AND FEES

Tuition and Fees (Table PN-27)

- Of the total of 1,068 LPN/LVN programs, 750 reported data on tuition and fees—approximately 72 percent of the total. Of those programs reporting this data, 43 percent come from the South, 26 percent from the Midwest, 17 percent from the North Atlantic, and 15 percent from the West.

- The average annual tuition for publicly funded LPN/LVN programs was $1,162. Privately funded programs reported a higher average tuition of $2,609.

- The average tuitions for publicly funded programs were lowest in the South, followed by the West, Midwestern, and North Atlantic regions. The tuitions in privately funded programs were highest in the West, followed by the North Atlantic, Midwestern, and Southern regions.

Table PN-27

MEAN[1] ANNUAL TUITIONS OF FULL-TIME STUDENTS IN PUBLIC OR PRIVATE LPN/LVN PROGRAMS, BY NLN REGION AND STATE: 1988-1989[2]

NLN REGION AND STATE	NUMBER OF PROGRAMS		ANNUAL TUITION	
	Public	Private	Public[3]	Private
United States	**684**	**66**	**1,162**	**2,889**
North Atlantic	98	27	2,266	2,982
Midwest	185	7	1,739	2,004
South	308	26	593	1,233
West	93	6	732	7,602
Alabama	18	0	779	—
Alaska	0	0	—	—
Arizona	5	0	460	—
Arkansas	21	1	439	250
California	27	6	401	7,602
Colorado	11	0	1,202	—
Connecticut	0	0	—	—
Delaware	1	0	1,060	—
District of Columbia	1	1	520	0
Florida	23	2	420	875
Georgia	26	2	428	713
Hawaii	3	0	409	—
Idaho	5	0	1,007	—
Illinois	22	1	1,493	2,100
Indiana	17	0	2,420	—
Iowa	23	0	1,450	—
Kansas	12	0	794	—
Kentucky	13	2	278	4,400
Louisiana	18	0	230	—
Maine	4	0	1,181	—
Maryland	8	1	1,520	2,300
Massachusetts	12	3	1,048	2,152
Michigan	21	0	1,516	—
Minnesota	19	1	1,694	700
Mississippi	11	1	790	0
Missouri	27	1	2,124	2,400
Montana	4	0	941	—
Nebraska	7	0	1,050	—
Nevada	2	0	1,200	—
New Hampshire	1	1	1,810	2,131
New Jersey	12	3	811	2,012
New Mexico	4	0	352	—
New York	31	7	2,623	3,962
North Carolina	17	0	445	—
North Dakota	2	0	1,248	—
Ohio	29	4	2,292	2,206
Oklahoma	24	0	820	—
Oregon	8	0	739	—
Pennsylvania	32	12	3,150	3,181
Rhode Island	1	0	1,[illegible]	—
South Carolina	13	1	498	[illegible]
South Dakota	1	0	1,140	—
Tennessee	14	2	249	1,500
Texas	58	9	718	751
Utah	5	0	1,040	—
Vermont	3	0	2,500	—
Virginia	31	2	720	2,350
Washington	14	0	985	—
West Virginia	13	3	714	858
Wisconsin	5	0	1,226	—
Wyoming	5	0	604	—
American Samoa	0	0	—	—
Guam	0	0	—	—
Puerto Rico	1	6	14	4,348
Virgin Islands	1	0	800	—

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[1] The mean is the sum of the observations divided by the number of observations. These reported means of tuitions may be slightly higher than the medians reported in past years.

[2] National and regional totals exclude American Samoa, Guam, Puerto Rico, and the Virgin Islands.

[3] For publicly supported programs, data on tuitions exclude students who are non-residents of the state, and/or county where the school is located.

PN FACULTY

SUMMARY AND RESULTS OF LPN/LVN NURSE FACULTY CENSUS

The faculty census is sent to all practical and vocational nursing programs every two years.

Population

In January 1988, the LPN/LVN faculty census was mailed to 1,082 programs, a decrease of 13.1 percent from 1986. Since 1984, there has been an 18.3 percent decrease in the number of LPN/LVN programs in the United States and territories. Eight hundred and sixty-eight programs responded in 1988 for an 80.2 percent response rate. In comparing the data, the low response rate (60.8 percent) in 1986 needs to be considered.

Number of Faculty

The estimated number of full-time faculty was 12 percent lower than in 1986. There was a 9 percent decrease in part-time faculty and a considerable increase in unfilled faculty positions although the actual number was lower than in prior years with the exception of 1986.

Credentials of Faculty and Administrators

There has been a stabilization of the percentage of administrators and full-time faculty with graduate degrees (59.6 and 33.4 percent, respectively). Only 2 percent of administrators and 18 percent of full-time faculty do not have a minimum of a baccalaureate degree as their highest credential. Twenty-five percent of full-time faculty do not have at least a baccalaureate degree, while nearly 21 percent of part-time faculty have a graduate degree.

Characteristics of Faculty and Administrators

Individuals of black ethnic background are the largest minority group in LPN/LVN programs. Overall, they make up 6.6 percent of administrators, 9.0 percent of full-time faculty, and 8.8 percent of part-time faculty. In the Southern region percentages tend to be higher, with 8.5 percent of administrators, 12.0 percent of full-time faculty, and 27.3 percent of part-time faculty reported as being from a black (non-hispanic) background.

As a whole, minority groups represent 11 percent of administrators, 12.3 percent of full-time faculty, and 11.6 percent of part-time faculty. In the Southern region, 15.6 percent of full-time faculty and 29.8 percent of part-time faculty are from minority groups.

Men make up only 1.8 percent of full-time and 3.0 percent of part-time LPN/LVN faculty.

Faculty Workload

The largest proportion of faculty time is spent on clinical teaching with a mean of 17.3 hours followed by classroom teaching with a mean of 9.2 hours. There was considerable variation in the number of teaching hours expected of faculty in LPN/LVN programs. The average faculty member has 26 students in the classroom and 11 students in the clinical area.

Faculty and Administrator Salaries

Salaries tend to be higher for administrators and faculty in the public sector. There is considerable variation in the salaries of LPN/LVN administrators and faculty with no consistent patterns by region or by academic credential. LPN/LVN programs tend to be located in a variety of institutional settings, such as community and junior colleges, vocational/technical schools, hospitals, and secondary schools. The variations in salary reflect the differences in salary scales among and within these institutions, combined with the longevity of faculty and local competitive forces such as RN salaries.

Summary

The data collected in the 1988 LPN/LVN faculty survey show evidence of a decrease in the number of programs and faculty. Since 1986, faculty workload has decreased slightly and the academic credentials of the faculty are about the same.

NUMBER OF FACULTY AND UNFILLED POSITIONS

Number of Nurse Faculty, 1968-1988 (Table PNF-1)

- The PN faculty census is conducted every two years as part of the NLN faculty census.
- In 1988 there was a 13 percent decrease in the total number of state-approved LPN/LVN programs. After rapid growth in the number of programs from 1964 to 1970, the change leveled off, with increases and decreases remaining within 3 percent from 1972-84. The 13 percent decrease in the 1986-88 biennium was the greatest decrease in 22 years.
- In 1986, the percentage of programs responding to the questionnaire (60.8%) was the lowest ever. However, in 1988 an 80.2 percent return was obtained.
- Estimates of total numbers of faculty were based on an extrapolation of the data to a 100 percent return rate. This extrapolation was based on the assumption that the nonrespondents, in general, have the same proportion of full-time and part-time faculty and unfilled positions as do the responding programs.
- The estimated total number of faculty is a full-time equivalent (FTE), which is obtained by adding one-half the estimated number of part-time faculty to the estimated number of full-time faculty.
- In 1988, the estimated total number of faculty decreased by 11.9 percent. The estimated total number of full-time faculty decreased by 16.5 percent, part-time faculty decreased by 8 percent, and the number of unfilled positions increased by 44.1 percent.
- There was an average of 3.6 full-time faculty members per responding program in 1988, which is the same as in the 1986 data.

Table PNF-1

NUMBER OF FULL-TIME AND PART-TIME NURSE FACULTY IN LPN/LVN PROGRAMS: 1968 TO 1988

YEAR[2]	REPORTING SCHOOLS[1]					TOTAL SCHOOLS (ESTIMATED)				
	Number of Programs Reporting	Percentage of Total Schools	Full-Time Faculty	Part-Time Faculty	Unfilled Budgeted Positions	Total Number of Schools	Total Nurse Faculty	Full-Time Faculty	Part-Time Faculty	Unfilled Budgeted Positions
1968										
Number	948	82.5	3,257	765	159	1,149	4,403	3,940	926	199
Percentage change	+30.6	+6.6	+27.9	+25.2	+62.2	+20.1	+17.1	+17.4	+14.9	+53.1
1970										
Number	1,194	95.4	3,844	757	159	1,252	4,428	4,031	794	167
Percentage change	+25.9	+12.9	+18.0	-1.0	+0.0	+9.0	+0.6	+2.3	-14.2	-16.1
1972										
Number	1,201	93.0	4,271	990	139	1,291	5,123	4,591	1,064	150
Percentage change	+0.6	-2.4	+11.1	+30.8	-12.6	+3.1	+15.7	+13.9	+34.0	-10.2
1974										
Number	1,277	97.8	4,656	1,167	142	1,306	5,359	4,762	1,193	145
Percentage change	+6.3	+4.8	+9.0	+17.9	+2.2	+1.2	+4.6	+3.7	+12.1	-3.3
1976										
Number	1,204	95.0	4,793	1,100	117	1,267	5,624	5,045	1,158	123
Percentage change	-5.6	-2.8	+2.9	-5.7	-17.6	-3.0	+4.9	+5.9	-2.9	-15.2
1978										
Number	1,140	90.0	4,524	1,149	89	1,266	5,662	5,024	1,276	99
Percentage change	-8.3	-5.0	-5.6	+4.4	-23.9	-0.1	+0.7	-0.4	+10.2	-19.5
1980										
Number	1,116	88.9	4,227	1,238	92	1,255	5,449	4,753	1,392	103
Percentage change	-2.1	-1.1	-6.6	+7.7	+3.4	-0.9	-3.8	-5.4	+9.1	+4.0
1982										
Number	1,045	81.0	4,161	1,303	111	1,290	5,941	5,137	1,608	137
Percentage change	-6.4	-7.9	-1.6	+5.3	+20.7	+2.8	+9.0	+8.1	+15.5	+33.0
1984										
Number	1,075	81.4	4,333	1,494	83	1,325	6,239	5,321	1,835	102
Percentage change	+2.9	+0.4	+4.1	+14.7	-25.2	+2.7	+5.0	+3.6	+14.1	-25.5
1986										
Number	757	60.8	2,700	1,030	36	1,245	5,288	4,441	1,694	59
Percentage change	-29.6	-20.6	-37.7	-31.3	-56.6	-6.0	-15.3	-16.5	-8.0	-42.2
1988										
Number	868	80.2	3,120	1,234	68	1,082	4,660	3,890	1,539	85
Percentage change	+14.7	+19.4	+15.6	+19.8	+88.9	-13.1	-11.9	-12.4	-9.1	+44.1

[1] Directors of schools not included. Includes Puerto Rico.

[2] As of January of each year.

Full-Time and Part-Time Faculty and Unfilled Position by State (Table PNF-2)

- Of all the states, Texas, New York, and California have the most LPN/LVN programs and the most full-time LPN/LVN faculty.
- The states with the highest average (mean) number of full-time faculty per program are Delaware, Michigan, Nebraska, Rhode Island, and Wisconsin.
- The states with the highest average (mean) number of part-time faculty per program are Colorado, District of Columbia, Nevada, and New Hampshire.
- The programs in 24 states and territories reported that they had no unfilled budgeted positions.
- The number of reported unfilled positions increased since 1984 to 68, about one position for every 13 programs. In contrast, in 1984 there was one reported unfilled position for every 21 programs.
- The number of reported unfilled positions was highest in the Southern region (43% of the positions) and lowest in the Midwestern region (12% of total reported positions).

Table PNF-2

FULL-TIME AND PART-TIME NURSE FACULTY AND UNFILLED BUDGETED POSITIONS IN LPN/LVN PROGRAMS, BY STATE, 1988

STATE	TOTAL NUMBER OF PROGRAMS	NUMBER OF PROGRAMS RESPONDING	NURSE FACULTY		
			Full-Time	Part-Time	Unfilled Budgeted Positions
Alabama	22	15	55	20	0
Alaska	0	0	0	0	0
Arizona	9	7	28	23	0
Arkansas	29	21	36	12	1
California	77	61	219	131	5
Colorado	14	11	41	56	3
Connecticut	8	8	37	2	3
Delaware	3	3	17	6	1
District of Columbia	2	2	6	10	0
Florida	34	29	139	34	1
Georgia	42	31	89	4	1
Hawaii	4	4	13	2	1
Idaho	6	4	11	2	0
Illinois	33	24	110	50	1
Indiana	16	13	50	23	1
Iowa	25	18	64	63	0
Kansas	16	16	64	19	2
Kentucky	17	16	66	9	1
Louisiana	35	27	78	5	6
Maine	5	5	23	3	0
Maryland	14	13	35	11	0
Massachusetts	25	21	81	21	2
Michigan	27	22	116	74	1
Minnesota	26	25	64	68	0
Mississippi	12	10	34	4	0
Missouri	31	26	89	22	0
Montana	5	4	11	3	0
Nebraska	8	8	42	21	0
Nevada	4	2	5	18	1
New Hampshire	4	2	3	9	0
New Jersey	30	20	91	27	3
New Mexico	7	6	22	7	2
New York	62	53	201	135	5
North Carolina	24	19	41	21	2
North Dakota	3	1	4	0	1
Ohio	41	37	118	73	1
Oklahoma	25	18	46	9	6
Oregon	11	9	42	21	3
Pennsylvania	50	47	148	60	1
Rhode Island	1	1	24	0	0
South Carolina	18	17	45	8	0
South Dakota	1	1	1	2	0
Tennessee	20	18	60	7	0
Texas	103	72	319	37	7
Utah	6	5	13	12	0
Vermont	3	3	8	2	1
Virginia	49	40	117	18	2
Washington	22	19	93	37	0
West Virginia	18	16	39	10	1
Wisconsin	9	5	26	3	1
Wyoming	6	5	11	11	0
American Samoa	0	0	0	0	0
Guam	0	0	0	0	0
Puerto Rico	20	8	25	9	1
Virgin Islands	0	0	0	0	0
Total	1,082	868	3,120	1,234	68

Non-Nurse Faculty (Table PNF-3)

- Non-nurse faculty make up 1.7 percent of all full-time faculty and 12.0 percent of all part-time faculty in LPN/LVN programs.
- The Western region has the greatest percentage of full-time non-nurse faculty (2.8%), and the Southern region has the largest percentage (19.6%) of part-time non-nurse faculty.
- The Southern region has the lowest percent of full-time non-nurse faculty (2.8%) and the Western region has the lowest percent of part-time non-nurse faculty (9.3%).

Table PNF-3

NUMBER AND PERCENT OF NURSE AND NON-NURSE FACULTY IN LPN/LVN PROGRAMS, BY NLN REGION, 1988

NLN REGION[1]	FULL-TIME FACULTY						PART-TIME FACULTY					
	Total		Nurse		Non-Nurse		Total		Nurse		Non-Nurse	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Regions	**3,034**	**100.0**	**2,982**	**98.3**	**53**	**1.7**	**1,430**	**100.0**	**1,258**	**88.0**	**172**	**12.0**
North Atlantic	647	100.0	634	98.0	13	2.0	296	100.0	276	93.2	20	6.8
Midwestern	762	100.0	742	97.4	20	2.6	505	100.0	428	84.8	77	15.2
Southern	1,129	100.0	1,109	98.2	20	1.8	260	100.0	[illegible]	80.4	51	19.6
Western	512	100.0	497	97.1	15	2.9	369	100.0	[illegible]	93.5	24	6.5

[1] Includes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

HIGHEST EARNED CREDENTIALS

Credentials of Administrators (Table PNF-4)

- The percentage of administrators in LPN/LVN programs with graduate degrees was 59.6 percent in 1988. This total includes 5.5 percent with a doctoral degree and 54.1 percent with a master's degree. The data in 1986 were affected by an unusually low response rate.

- The percentage of administrators without at least a baccalaureate degree has decreased to 2.3 percent.

Table PNF-4

HIGHEST EARNED CREDENTIAL OF ADMINISTRATORS IN LPN/LVN PROGRAMS: 1968 TO 1988

YEAR [1]	TOTAL ADMINISTRATORS REPORTED [2]		HIGHEST EARNED CREDENTIAL							
			Doctorate		Master's		Baccalaureate		Other	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1968	879	100.0	2	0.2	261	29.7	424	48.2	192	21.9
1970	972	100.0	3	0.3	317	32.6	445	45.8	207	21.3
1972	1,097	100.0	6	0.5	345	31.5	478	43.6	268	24.4
1974	1,085	100.0	12	1.1	387	35.7	459	42.3	227	20.9
1976	1,101	100.0	20	1.8	442	40.2	422	38.3	217	19.7
1978	1,073	100.0	21	2.0	459	42.8	420	39.1	173	16.1
1980	1,041	100.0	16	1.5	467	44.9	414	39.8	144	13.8
1982	991	100.0	32	3.2	491	49.6	350	35.3	118	11.9
1984	962	100.0	38	4.0	506	52.6	304	31.6	114	11.9
1986	734	100.0	40	5.4	413	56.3	216	29.4	65	8.9
1988	857	100.0	47	5.5	464	54.1	326	38.0	20	2.3

[1] As of January of each year.

[2] Includes American Samoa, Guam, Puerto Rico, and the Virgin Islands.

Credentials of Full-Time Faculty (Table PNF-5)

- There has been a continued increase in the percentage of full-time faculty in LPN/LVN schools with a graduate degree as their highest credential, reaching 33 percent in 1988.

- The percentage of faculty with the baccalaureate as their highest degree decreased somewhat to 48 percent.

- The percentage of faculty with other credentials is decreasing. They now total about 18 percent of all LPN/LVN faculty.

Table PNF-5

HIGHEST EARNED CREDENTIAL OF FULL-TIME NURSE FACULTY OF LPN/LVN PROGRAMS: 1968-1988

YEAR[1]	TOTAL FULL-TIME FACULTY REPORTED[2]		HIGHEST EARNED CREDENTIAL							
			Doctorate		Master's		Baccalaureate		Other	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1968	3,257	100.0	0	0.0	294	9.0	1,385	42.5	1,578	48.5
1970	3,844	100.0	0	0.0	250	6.5	1,622	42.2	1,972	51.3
1972	4,271	100.0	3	0.1	332	7.8	1,794	42.0	2,142	50.1
1974	4,656	100.0	3	0.1	439	9.4	2,029	43.6	2,185	46.9
1976	4,793	100.0	5	0.1	559	11.7	2,174	45.4	2,055	42.8
1978	4,524	100.0	2	0.0	764	16.9	2,175	48.1	1,583	35.0
1980	4,227	100.0	5	0.1	763	18.1	2,096	49.6	1,363	32.2
1982	4,161	100.0	10	0.3	870	20.9	2,131	51.2	1,150	27.6
1984	4,250	100.0	21	0.5	1,033	24.3	2,164	50.9	1,031	24.2
1986	2,743	100.0	11	0.4	793	28.9	1,356	49.5	581	21.2
1988	3,120	100.0	17	0.5	1,027	32.9	1,503	48.2	573	18.4

[1] As of January of each year

[2] Includes Puerto Rico

Credentials of Part-Time Faculty (Table PNF-6)

- Since 1966, there has been a continued increase in the number of part-time faculty in LPN/LVN programs with a master's degree, from 9 percent to almost 20 percent. The percentage of part-time faculty with doctoral degrees remains less than 1 percent.
- The percentage of part-time faculty with less than a baccalaureate as highest earned credential remains fairly stable at about 25 percent.
- For the last ten years the majority of LPN/LVN faculty have had a baccalaureate as their highest credential.

Table PNF-6

HIGHEST EARNED CREDENTIAL OF PART-TIME NURSE FACULTY OF LPN/LVN PROGRAMS: 1968-1988

YEAR[1]	TOTAL PART-TIME FACULTY REPORTED[2]		HIGHEST EARNED CREDENTIAL							
			Doctorate		Master's		Baccalaureate		Other	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1968	765	100.0	1	0.1	71	9.3	310	40.5	383	50.1
1970	757	100.0	2	0.3	44	5.8	296	39.1	415	61.8
1972	990	100.0	6	0.6	74	7.5	392	39.6	518	52.3
1974	1,167	100.0	3	0.3	99	8.5	467	40.0	598	51.2
1976	1,100	100.0	1	0.1	108	9.8	478	43.5	513	46.6
1978	1,149	100.0	3	0.3	145	12.6	540	47.0	461	40.1
1980	1,238	100.0	0	0.0	127	10.3	642	52.8	469	37.9
1982	1,303	100.0	5	0.4	141	10.8	710	54.5	447	34.3
1984	1,471	100.0	4	0.3	257	17.5	760	51.7	451	30.6
1986	1,030	100.0	7	0.7	200	19.4	528	51.3	295	28.6
1988	1,234	100.0	7	0.6	245	19.9	680	55.1	302	24.5

[1] As of January of each year

[2] Includes Puerto Rico

Credentials of Full-Time Faculty by NLN Region (Table PNF-7)

- The West has the highest percentage of full-time LPN/LVN faculty with graduate degrees (56.4%).
- The South has the lowest percentage of faculty prepared at the graduate level—24.8 percent.
- For the North Atlantic and the Midwest, the percentages of faculty with graduate education were 32.4 percent and 32.9 percent, respectively.
- The Southern region has the highest percentage of faculty who do not have at least a baccalaureate degree (27.9%).
- The West has the smallest percentage of faculty not prepared at least at the baccalaureate level (5.7%).

Table PNF-7

HIGHEST EARNED CREDENTIAL OF FULL-TIME NURSE FACULTY OF LPN/LVN PROGRAMS, BY NLN REGION: 1974-1988

YEAR[1] BY NLN REGION	TOTAL FULL-TIME FACULTY[2] REPORTED		HIGHEST EARNED CREDENTIAL							
			Doctorate		Master's		Baccalaureate		Other	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
North Atlantic										
1974	1,126	100.0	1	0.1	164	14.6	617	54.8	344	30.5
1976	1,107	100.0	2	0.2	170	15.3	622	56.2	313	28.3
1978	908	100.0	1	0.1	158	17.4	528	58.2	221	24.3
1980	847	100.0	1	0.1	179	21.2	493	58.2	174	20.5
1982	781	100.0	1	0.1	184	23.6	467	59.8	129	16.5
1984	811	100.0	5	0.6	204	25.2	476	58.7	126	15.6
1986	606	100.0	1	0.2	188	31.0	340	56.1	77	12.7
1988	639	100.0	0	0.0	207	32.4	351	54.9	81	12.7
Midwestern										
1974	1,197	100.0	1	0.1	83	6.9	513	42.8	600	50.2
1976	1,263	100.0	1	0.1	108	8.5	588	46.6	566	44.8
1978	1,186	100.0	1	0.1	151	12.7	599	50.5	435	36.7
1980	1,172	100.0	1	0.1	172	14.7	656	56.0	343	29.2
1982	1,133	100.0	2	0.2	199	17.6	638	56.3	294	25.9
1984	1,169	100.0	5	0.4	288	24.6	630	53.9	246	21.0
1986	710	100.0	3	0.4	210	29.6	364	51.3	133	18.8
1988	748	100.0	5	0.7	241	32.2	380	50.8	122	16.3
Southern										
1974	1,610	100.0	1	0.1	49	3.0	514	31.9	1,046	65.0
1976	1,677	100.0	2	0.1	91	5.4	571	34.0	1,013	60.5
1978	1,615	100.0	0	0.0	154	9.5	659	40.8	802	49.7
1980	1,566	100.0	1	0.1	182	11.6	634	40.5	749	47.8
1982	1,619	100.0	1	0.1	229	14.1	741	45.8	648	40.0
1984	1,658	100.0	9	0.5	274	16.5	788	47.5	588	35.3
1986	892	100.0	1	0.1	152	17.0	451	50.6	288	32.3
1988	1,224	100.0	5	0.4	299	24.4	579	47.3	341	27.9
Western										
1974	715	100.0	0	0.0	136	19.0	384	53.7	195	27.3
1976	746	100.0	0	0.0	190	25.5	393	52.7	163	21.8
1978	815	100.0	0	0.0	301	36.9	389	47.8	125	15.3
1980	642	100.0	2	0.3	230	35.8	313	48.8	97	15.1
1982	628	100.0	6	1.0	258	41.1	285	45.4	79	12.5
1984	612	100.0	2	0.3	267	43.6	270	44.1	73	11.9
1986	482	100.0	6	1.2	243	50.4	200	41.5	33	6.8
1988	509	100.0	7	1.4	280	55.0	193	37.9	29	5.7

[1] As of January of each year.

[2] Includes Puerto Rico.

Credentials of Part-Time Faculty by NLN Region (Table PNF-8)

- The Western region has the highest percentage of part-time faculty with graduate preparation (31.5%), and the Midwest has the lowest (12.9%).
- For the North Atlantic and the Southern region, the percentage of part-time faculty with graduate education was 20 percent and 18.8 percent, respectively.
- In all regions, the largest group of part-time faculty had a baccalaureate degree as the highest earned credential. The percentages range from 49.1 percent in the Midwest to 58.8 percent in the Western region.
- The West has only 9.6 percent of part-time faculty who are not prepared at least at the baccalaureate level. All other regions have about 30 percent of part-time faculty with less than a baccalaureate credential.

Table PNF-8

HIGHEST EARNED CREDENTIAL OF PART-TIME NURSE FACULTY OF LPN/LVN PROGRAMS, BY NLN REGION: 1974 TO 1988

YEAR[1]	TOTAL PART-TIME FACULTY REPORTED[2]		HIGHEST EARNED CREDENTIAL							
			Doctorate		Master's		Baccalaureate		Other	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
North Atlantic										
1974	282	100.0	2	0.7	28	9.9	129	45.7	123	43.7
1976	296	100.0	1	0.3	32	10.8	135	45.6	128	43.3
1978	303	100.0	1	0.3	35	11.6	139	45.9	128	42.2
1980	290	100.0	0	0.0	37	12.8	146	50.3	107	36.9
1982	307	100.0	1	0.3	36	11.7	165	53.8	105	34.2
1984	374	100.0	2	0.5	64	17.1	201	53.7	102	28.4
1986	269	100.0	1	0.4	50	18.6	147	54.6	71	26.4
1988	275	100.0	1	0.4	54	19.6	145	52.7	75	27.3
Midwestern										
1974	407	100.0	0	0.0	16	3.9	156	38.3	235	57.8
1976	429	100.0	0	0.0	23	5.4	168	39.2	238	55.4
1978	406	100.0	1	0.2	32	7.9	178	43.8	195	48.1
1980	468	100.0	0	0.0	22	4.7	249	53.2	197	42.1
1982	476	100.0	1	0.2	30	6.3	263	55.3	182	38.2
1984	509	100.0	0	0.0	61	12.0	240	47.2	208	40.9
1986	290	100.0	1	0.3	53	18.3	144	49.7	92	31.7
1988	418	100.0	0	0.0	54	12.9	238	56.9	126	30.1
Southern										
1974	250	100.0	0	0.0	21	8.4	76	30.4	153	61.2
1976	172	100.0	0	0.0	14	8.1	65	37.8	93	54.1
1978	192	100.0	0	0.0	21	10.9	87	45.3	84	43.8
1980	243	100.0	0	0.0	24	9.9	101	41.6	118	48.5
1982	247	100.0	0	0.0	34	13.8	122	49.4	91	36.8
1984	[illegible]	100.0	0	0.0	42	14.6	156	54.2	90	31.3
1986	172	100.0	0	0.0	24	14.0	91	52.9	57	33.1
1988	218	100.0	2	0.9	39	17.9	107	49.1	70	32.1
Western										
1974	226	100.0	1	0.4	33	14.6	105	46.5	87	38.5
1976	203	100.0	0	0.0	39	19.2	110	54.2	54	26.6
1978	248	100.0	1	0.4	57	23.0	136	54.8	54	21.8
1980	237	100.0	0	0.0	44	18.6	146	61.6	47	19.8
1982	273	100.0	3	1.1	41	15.0	160	58.6	69	25.3
1984	300	100.0	2	0.7	90	30.0	163	54.3	47	15.7
1986	243	100.0	5	2.1	73	30.0	146	60.1	34	7.0
1988	323	100.0	4	1.2	98	30.3	190	58.8	31	9.6

[1] As of January of each year.

[2] Includes Puerto Rico.

Full-Time Master's and Baccalaureate Faculty with Nursing and Non-Nursing Degrees (Table PNF-9)

- This table presents the number and percentage of full-time LPN/LVN faculty prepared with a master's or baccalaureate degree who obtained their highest credential with a major in nursing. The data show that 46 percent of master's prepared and 74 percent of baccalaureate-prepared full-time LPN/LVN faculty have their degree in nursing.

- The West had the highest percentage (69%) of master's prepared full-time faculty with a nursing degree. The Midwest had the lowest percentage at 34 percent.

- The West also had the highest percentage of baccalaureate-prepared faculty with a degree in nursing (83%). The North Atlantic region had the lowest (69%).

Table PNF-9

NUMBER OF FULL-TIME LPN/LVN FACULTY BY TYPE OF DEGREE AND NLN REGION, 1988

NLN REGION[1]	MASTER'S DEGREE						BACCALAUREATE					
	Total[2]		Nursing Major		Non-Nursing Major		Total[2]		Nursing Major		Non-Nursing Major	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Regions	**1,027**	**100.0**	**469**	**45.7**	**558**	**54.3**	**1,503**	**100.0**	**1,115**	**74.2**	**388**	**25.8**
North Atlantic	207	100.0	80	38.6	127	61.3	351	100.0	242	68.9	109	31.1
Midwestern	241	100.0	82	34.0	159	66.0	380	100.0	291	76.6	89	23.4
Southern	299	100.0	115	38.5	184	61.5	579	100.0	421	72.7	158	27.2
Western	280	100.0	192	68.6	83	31.4	193	100.0	161	83.4	32	16.6

[1] As of January of each year

[2] Includes Puerto Rico

Part-Time Master's and Baccalaureate-Prepared Faculty with Nursing and Non-Nursing Degrees (Table PNF-10)

- Table PNF-10 presents the number and percentage of part-time LPN/LVN faculty prepared with a master's or baccalaureate degree whose highest credential was in nursing.

- According to the questionnaire responses, 64 percent of part-time faculty with a master's degree and 84 percent with a baccalaureate degree obtained their degrees in nursing.

- The Western and North Atlantic regions had the highest percentages of master's prepared faculty with a nursing major—68 percent. The Midwest had the lowest percentage (52%).

- The four regions had approximately the same percentages of baccalaureate-prepared part-time faculty with a nursing major, ranging from 79 to 89 percent.

Table PNF-10

NUMBER OF PART-TIME LPN/LVN FACULTY BY TYPE OF DEGREE AND NLN REGION, 1988

NLN REGION[1]	MASTER'S DEGREE						BACCALAUREATE					
	Total[2]		Nursing Major		Non-Nursing Major		Total[2]		Nursing Major		Non-Nursing Major	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Regions	**245**	**100.0**	**157**	**64.1**	**88**	**35.9**	**680**	**100.0**	**573**	**84.3**	**107**	**15.7**
North Atlantic	54	100.0	36	66.7	18	33.3	145	100.0	115	79.3	30	20.7
Midwestern	54	100.0	28	51.9	26	48.1	238	100.0	202	84.9	36	15.1
Southern	39	100.0	26	66.7	13	33.3	107	100.0	87	81.3	20	18.7
Western	98	100.0	67	68.4	31	31.6	190	100.0	169	88.9	21	11.1

[1] As of January of each year

[2] Includes Puerto Rico

Credentials of Faculty by State (Table PNF-11)

- The states in which the majority of full-time LPN/LVN faculty have graduate preparation are Arizona, California, Colorado, Connecticut, Kansas, Nevada, New Mexico, Oregon, Washington, and Wisconsin.
- The states in which the majority of part-time faculty have graduate preparation are Hawaii, Maryland and Montana, as well as the territory of Puerto Rico.

Table PNF-11
HIGHEST EARNED CREDENTIAL OF FULL-TIME AND PART-TIME NURSE FACULTY IN LPN/LPN PROGRAMS, BY STATE, 1988

STATE	TOTAL NUMBER OF PROGRAMS	NUMBER OF PROGRAMS RESPONDING	FULL-TIME NURSE FACULTY					PART-TIME NURSE FACULTY				
			Total	Highest Earned Credential				Total	Highest Earned Credential			
				Doctorate	Master's	Bacca-laureate	Other		Doctorate	Master's	Bacca-laureate	Other
Alabama	22	15	55	0	29	21	5	20	0	6	11	3
Alaska	0	0	0	0	0	0	0	0	0	0	0	0
Arizona	9	7	28	0	19	9	0	23	0	9	14	0
Arkansas	29	21	36	0	4	12	20	12	0	0	1	11
California	77	61	219	1	112	88	18	131	1	41	67	22
Colorado	14	11	41	0	26	15	0	56	0	16	38	2
Connecticut	8	8	37	0	19	18	0	2	0	0	1	1
Delaware	3	3	17	0	8	9	0	6	0	2	4	0
District of Columbia	2	2	6	0	1	1	4	10	0	4	4	2
Florida	34	29	139	0	39	71	29	34	1	8	13	12
Georgia	42	31	89	0	19	33	37	4	0	0	2	2
Hawaii	4	4	13	0	6	7	0	2	0	2	0	0
Idaho	6	4	11	0	3	8	0	2	0	0	2	0
Illinois	33	24	110	0	48	56	6	50	0	13	35	2
Indiana	16	13	50	2	15	33	0	23	0	3	20	0
Iowa	25	18	64	0	13	42	9	63	0	3	27	33
Kansas	16	16	64	0	43	20	1	19	0	8	11	0
Kentucky	17	16	66	0	3	47	16	9	0	1	4	4
Louisiana	35	27	78	1	10	37	30	5	0	1	4	0
Maine	5	5	23	0	4	9	10	3	0	0	3	0
Maryland	14	13	35	0	15	19	1	11	0	6	5	0
Massachusetts	25	21	81	0	36	45	0	21	0	6	15	0
Michigan	27	22	116	0	54	46	16	74	0	9	51	14
Minnesota	26	25	64	0	12	36	16	68	0	6	32	30
Mississippi	12	10	34	0	1	17	16	4	0	0	0	4
Missouri	31	26	89	3	8	45	33	22	0	1	11	10
Montana	5	4	11	0	3	8	0	3	0	2	1	0
Nebraska	8	8	42	0	4	31	7	21	0	2	10	9
Nevada	4	2	5	0	3	2	0	18	0	0	18	0
New Hampshire	4	2	3	0	0	3	0	9	0	2	7	0
New Jersey	30	20	91	0	21	52	18	27	0	2	11	14
New Mexico	7	6	22	0	14	7	1	7	0	3	3	1
New York	62	53	201	0	67	103	31	135	1	27	62	45
North Carolina	24	19	41	0	6	32	3	21	0	3	18	0
North Dakota	3	1	4	0	0	4	0	0	0	0	0	0
Ohio	41	37	118	0	26	58	34	73	0	9	38	26
Oklahoma	25	18	46	0	11	19	16	9	0	0	7	2
Oregon	11	9	42	3	34	5	0	21	0	8	13	0
Pennsylvania	50	47	148	0	28	106	14	60	0	11	38	11
Rhode Island	1	1	24	0	22	2	0	0	0	0	0	0
South Carolina	18	17	45	0	7	31	7	8	0	2	6	0
South Dakota	1	1	1	0	0	1	0	2	0	0	0	2
Tennessee	20	18	60	0	7	17	36	7	0	0	2	5
Texas	103	72	319	4	111	141	63	37	0	7	17	13
Utah	6	5	13	1	1	8	3	12	0	2	8	2
Vermont	3	3	8	0	1	3	4	2	0	0	0	2
Virginia	49	40	117	0	27	53	37	18	1	0	9	8
Washington	22	19	93	2	53	31	7	37	3	13	18	3
West Virginia	18	16	39	0	9	12	18	10	0	0	6	4
Wisconsin	9	5	26	0	18	8	0	3	0	0	3	0
Wyoming	6	5	11	0	6	5	0	11	0	2	8	1
American Samoa	0	0	0	0	0	0	0	0	0	0	0	0
Guam	0	0	0	0	0	0	0	0	0	0	0	0
Puerto Rico	20	8	25	0	1	17	7	9	0	5	2	2
Virgin Islands	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	1,082	868	3,120	17	1,027	1,503	573	1,234	7	245	680	302

Ethnic Background of Administrators (Table PNF-12)

- Of LPN/LVN programs responding to the survey, 11 percent of the administrators are from an ethnic minority group.
- Compared with other regions, the West has the highest percentage of administrators from an ethnic minority group, while the Midwestern region has the lowest.

Table PNF-12

ETHNIC BACKGROUND OF ADMINISTRATORS IN LPN/LVN PROGRAMS, BY NLN REGION, 1988

NLN REGION[1]	NUMBER OF ADMINISTRATORS		ETHNIC BACKGROUND OF ADMINISTRATORS									
			American Indian or Alaskan Native		Asian or Pacific Islander		Black Non-Hispanic		Hispanic		White Other than Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Regions	**638**	**100.0**	**11**	**1.7**	**11**	**1.7**	**42**	**6.6**	**6**	**0.9**	**568**	**89.0**
North Atlantic	136	100.0	2	1.5	0	0.0	9	6.6	0	0.0	125	91.9
Midwestern	167	100.0	0	0.0	2	1.2	7	4.2	0	0.0	158	94.6
Southern	222	100.0	5	2.3	0	0.0	19	8.6	4	1.8	194	87.4
Western	113	100.0	4	3.5	9	8.0	7	6.2	2	1.8	91	80.5

[1] Excludes Puerto Rico (the other territories have no LPN programs).

Ethnic Background of Faculty (Tables PNF-13 and PNF-14)

- Of all LPN/LVN faculty members, approximately 12 percent of full-time and of part-time faculty are from ethnic minority groups.

- Compared with other regions, the South had the greatest percentages of both full-time and part-time black faculty, with 12 percent full-time and 27 percent part-time black faculty.

- The Midwest had the highest percentage of white, non-Hispanic full-time faculty (94%), and the South had the lowest (71%).

- Asian and Pacific Islanders represented approximately 1 percent of both full-time and part-time LPN/LVN faculty.

Table PNF-13
ETHNIC BACKGROUND OF FULL-TIME FACULTY IN LPN/LVN PROGRAMS, BY NLN REGION, 1988

NLN REGION[1]	NUMBER OF FULL-TIME FACULTY		ETHNIC BACKGROUND OF FULL-TIME FACULTY									
			American Indian or Alaskan Native		Asian or Pacific Islander		Black Non-Hispanic		Hispanic		White Other than Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Regions	**2,982**	**100.0**	**15**	**0.5**	**42**	**1.4**	**268**	**9.0**	**43**	**1.4**	**2,614**	**87.7**
North Atlantic	634	100.0	6	0.9	3	0.5	38	6.0	1	0.2	586	92.4
Midwestern	742	100.0	1	0.1	12	1.6	72	9.7	1	0.1	656	88.4
Southern	1,109	100.0	3	0.3	13	1.2	133	12.0	24	2.2	936	84.4
Western	497	100.0	5	1.0	14	2.8	25	5.0	17	3.4	436	87.7

[1]Excludes Puerto Rico (the other territories have no LPN programs).

Table PNF-14
ETHNIC BACKGROUND OF PART-TIME FACULTY IN LPN/LVN PROGRAMS, BY NLN REGION, 1988

NLN REGION[1]	NUMBER OF PART-TIME FACULTY		ETHNIC BACKGROUND OF PART-TIME FACULTY									
			American Indian or Alaskan Native		Asian or Pacific Islander		Black Non-Hispanic		Hispanic		White Other than Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Regions	**1,258**	**100.0**	**13**	**1.0**	**10**	**0.8**	**111**	**8.8**	**12**	**1.0**	**1,112**	**88.4**
North Atlantic	276	100.0	8	2.9	2	0.7	16	5.8	6	2.2	244	88.4
Midwestern	428	100.0	0	0.0	1	0.2	21	4.9	4	0.9	402	93.9
Southern	209	100.0	1	0.5	1	0.5	57	27.3	2	1.0	148	70.8
Western	345	100.0	4	1.2	6	1.7	17	4.9	0	0.0	318	92.2

[1] Excludes Puerto Rico (the other territories have no LPN programs.

Number of Male Faculty (Table PNF-15)

- Men constituted 1.8 percent of all full-time and 3.0 percent of all part-time LPN/LVN faculty.
- For both full-time and part-time faculty, the highest percentages of male faculty were in the West (4.4% and 16.1%, respectively).
- For full-time faculty, the highest percentage of male faculty was in the Western region (3.6%), and for part-time faculty the highest percentage of male faculty was in the Southern region.

Table PNF-15

NUMBER OF FULL-TIME AND PART-TIME MALE FACULTY IN LPN/LVN PROGRAMS, BY NLN REGION, 1988

NLN REGION[1]	FULL-TIME FACULTY				PART-TIME FACULTY			
	Total		Male Faculty		Total		Male Faculty	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Regions	**2,982**	**100.0**	**55**	**1.8**	**1,258**	**100.0**	**38**	**3.0**
North Atlantic	634	100.0	3	0.5	276	100.0	5	1.8
Midwestern	742	100.0	6	0.8	428	100.0	13	3.0
Southern	1,109	100.0	28	2.5	209	100.0	10	4.8
Western	497	100.0	18	3.6	345	100.0	10	2.9

[1] Includes Puerto Rico.

FACULTY WORKLOAD

Faculty Workload—Number of Hours per Week (Table PNF-16)

- Each week LPN/LVN faculty spend approximately 9 hours in classroom and 17 hours in clinical teaching. An additional 11 hours are spent each week in advisement and counseling, preparation, and committee work.

- Faculty in the South reported the greatest number of hours spent in classroom teaching per week—a mean of 10.2 hours. Faculty in the West reported the least time in classroom teaching—a mean of 7.0 hours per week.

- Faculty in the Southern region spent an average of approximately 18.5 hours a week in clinical teaching—the highest regional mean. Faculty in the other regions had lower regional means for clinical teaching (16.3 to 16.7).

- After classroom and clinical teaching, faculty spent the most time in preparation (mean of 6 hours per week).

Table PNF-16

NUMBER OF HOURS PER WEEK FOR A TYPICAL FACULTY MEMBER IN LPN/LVN PROGRAMS, BY FACULTY ACTIVITY AND BY NLN REGION, 1988

FACULTY ACTIVITY	ALL REGIONS			NORTH ATLANTIC REGION		MIDWESTERN REGION		SOUTHERN REGION		WESTERN REGION	
	Mean	Standard Deviation	Range	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation
Classroom Teaching	9.2	5.3	1-28	9.2	6.4	9.0	3.9	10.2	5.8	7.0	3.6
Clinical Teaching	17.3	6.1	2-28	16.3	6.3	16.4	3.9	18.5	7.6	16.7	3.9
Advisement/Counseling	2.8	4.1	0-15	2.1	1.7	2.8	1.6	2.7	5.5	3.6	4.0
Preparation	6.5	6.0	1-20	5.4	5.1	7.3	4.3	6.9	6.5	6.9	5.0
Committee Activities	2.1	2.1	0-15	1.9	2.5	2.1	1.6	2.0	2.8	2.3	2.3

Includes Puerto Rico.

Faculty Workload—Number of Students (Table PNF-17)

- The average LPN/LVN faculty member saw 25.5 students in the classroom, and 11.2 students in the clinical area.
- The South had a slightly higher number of students in the classroom, with a mean of 27.6 students and a standard deviation of 9.6.
- The lowest number of students in the classroom was reported in the South—a mean of 23.7 students per week.
- The mean number of students in the clinical area ranged across regions from 9.8 to 12.4 students per faculty member.

Table PNF-17

NUMBER OF STUDENTS IN CLASSROOM AND CLINICAL TEACHING FOR A TYPICAL FACULTY MEMBER IN LPN/LVN PROGRAMS, BY NLN REGION, 1988

FACULTY ACTIVITY	ALL REGIONS			NORTH ATLANTIC REGION		MIDWESTERN REGION		SOUTHERN REGION		WESTERN REGION	
	Mean	Standard Deviation	Range	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation
Classroom Teaching	25.5	11.4	2-90	26.4	14.4	27.6	9.6	23.7	10.1	26.5	13.0
Clinical Teaching	11.2	5.2	1-60	10.4	5.1	9.8	3.9	12.4	6.3	10.7	3.4

Includes Puerto Rico.

SALARIES IN LPN/LVN EDUCATION

- This section presents information about the salaries of administrators and full-time faculty in LPN/LVN education programs. Salaries are presented according to highest earned credential, NLN region, and type of institutional support.

- *Data Collection:* Each program was asked to provide the following information for the 1987-88 academic year: (a) number of full-time faculty per academic year and calendar year, (b) total salary by position and highest credential.

- *Academic Year versus Calendar Year:* These salary tables present separate data for calendar year and academic year salaries. Patterns of faculty appointment vary greatly among schools. Academic year appointments are usually made for 9 to 10 months. Appointments for a calendar year are usually for 11 months (with one month vacation per year).

- LPN/LVN programs are located in a variety of types of organizations. The salaries of LPN/LVN administrators and faculty reflect the salary scale of the parent organization, which may be a four-year college, two-year community or junior college, hospital, adult vocational program, or secondary school. Moreover, each of these organizational types may have either public or private financial support.

Salaries in LPN/LVN Education (Table PNF-18 to PNF-20)

- Administrators and faculty with doctoral preparation earn higher salaries on the average than those with other academic credentials (Table PNF-18).

- In general, the average calendar-year salaries are not consistently higher than academic-year salaries, except for those of chief administrators (Table PNF-18).

- There appears to be no consistent pattern among salaries by region for any of the faculty positions, either for academic- or calendar-year salaries (Table PNF-19).

- Most LPN/LVN programs are in institutions that receive their support from the public sector. In general, mean salaries are higher in institutions with public financial support (Table PNF-20).

Table PNF-18

MEAN SALARIES OF LPN/LVN ADMINISTRATORS AND FACULTY BY HIGHEST CREDENTIAL AND TYPE OF APPOINTMENT, 1988

POSITION AND HIGHEST CREDENTIAL	ACADEMIC YEAR		CALENDAR YEAR	
	Number	Mean Salary	Number	Mean Salary
Chief Administrator				
Doctorate	8	$38,000	30	$42,600
Master's Degree (Nursing)	82	33,600	163	35,900
Other Credential	123	31,600	282	33,000
Associate/Assistant Administrator Department Head				
Doctorate	0	—	3	*
Master's Degree (Nursing)	24	36,600	19	36,300
Other Credential	38	31,200	74	29,200
Instructor				
Master's Degree (Nursing)	233	29,200	61	35,400
Master's Degree (Non-Nursing)	239	30,000	170	31,200
Baccalaureate (Nursing)	431	26,800	457	26,000
Other Credential	253	26,900	403	26,700
Other Position				
Master's Degree (Nursing)	21	29,100	12	16,500
Master's Degree (Non-Nursing)	14	31,100	25	28,100
Baccalaureate (Nursing)	34	28,100	21	27,500
Other Credential	47	23,800	33	24,100

*Too few data to warrent publication.

Table PNF-19

MEAN SALARIES OF LPN/LVN ADMINISTRATORS AND FACULTY BY POSITION, HIGHEST CREDENTIAL, TYPE OF APPOINTMENT, AND NLN REGION, 1988

POSITION AND HIGHEST CREDENTIAL	ACADEMIC YEAR APPOINTMENT								CALENDAR YEAR APPOINTMENT							
	NORTH ATLANTIC		MIDWESTERN		SOUTHERN		WESTERN		NORTH ATLANTIC		MIDWESTERN		SOUTHERN		WESTERN	
	Number	Mean Salary	Number	Mean Salary	Number	Mean Salary	Number	Mean Salary	Number	Mean Salary	Number	Mean Salary	Number	Mean Salary	Number	Mean Salary
Chief Administrator																
Doctorate	—	—	2	*	5	*	1	*	3	*	8	$42,800	11	$42,000	8	$43,400
Master's Degree (Nursing)	15	$37,000	16	$34,500	12	$31,900	39	$32,500	26	$36,500	48	35,900	55	34,900	36	37,100
Other Credential	38	31,600	26	32,700	46	30,200	13	34,300	54	38,700	74	33,400	132	29,800	22	37,300
Assistant Administrator/ Department Head																
Doctorate	0	—	0	—	0	—	0	—	1	*	0	—	1	*	1	*
Master's Degree (Nursing)	8	36,300	3	*	4	*	11	40,800	4	*	5	*	8	35,000	2	*
Other Credential	9	32,800	4	*	16	26,300	9	33,300	10	32,300	14	28,900	40	28,200	10	30,400
Instructor																
Master's Degree (Nursing)	26	28,100	44	26,900	39	27,700	124	30,600	22	32,600	7	29,300	29	32,200	11	27,800
Master's Degree (Non-Nursing)	40	32,000	91	27,200	40	29,200	68	33,000	38	34,300	32	31,700	91	30,200	9	28,400
Baccalaureate (Nursing)	110	26,200	122	29,200	123	24,200	82	27,700	90	27,700	132	25,600	194	25,600	41	25,600
Other Credential	74	26,400	69	26,400	67	26,600	43	29,200	65	28,600	81	25,400	238	26,600	19	26,700
Other Position																
Master's Degree (Nursing)	0	—	3	*	0	—	18	30,200	0	—	2	*	0	—	10	16,000
Master's Degree (Non-Nursing)	2	*	5	*	3	*	4	*	1	*	13	25,500	8	32,100	3	*
Baccalaureate (Nursing)	4	*	13	31,300	9	25,100	8	27,000	0	—	6	22,200	12	28,900	3	*
Other Credential	13	24,200	15	31,100	15	28,500	4	*	4	*	6	22,000	21	25,900	2	*

* Too few data to warrent publication.

Table PNF-20

MEAN SALARIES OF LPN/LVN ADMINISTRATORS AND FACULTY BY POSITION, HIGHEST CREDENTIAL, TYPE OF APPOINTMENT AND TYPE OF INSTITUTIONAL SUPPORT, 1988

POSITION AND HIGHEST CREDENTIAL	ACADEMIC YEAR APPOINTMENT			CALENDAR YEAR APPOINTMENT		
	Public	Private Secular	Private Religious	Public	Private Secular	Private Religious
Chief Administrator						
Doctorate	*	—	—	$42,600	—	—
Master's Degree (Nursing)	$27,500	*	—	36,600	$31,700	*
Other Credential	32,000	$29,000	—	32,800	35,000	*
Assistant Administrator Department Head						
Doctorate	—	—	—	*	*	—
Master's Degree (Nursing)	38,200	—	—	36,600	*	—
Other Credential	32,400	*	—	29,200	27,800	*
Instructor						
Master's Degree (Nursing)	29,900	*	*	30,800	29,000	*
Master's Degree (Non-Nursing)	33,400	*	*	24,500	31,900	*
Baccalaureate (Nursing)	26,400	21,000	*	27,200	22,200	*
Other Credential	26,900	27,300	—	26,800	25,200	—
Other Position						
Master's Degree (Nursing)	29,100	—	—	16,500	—	—
Master's Degree (Non-Nursing)	31,100	—	—	28,300	*	—
Baccalaureate (Nursing)	28,100	—	—	28,600	24,700	*
Other Credential	24,400	*	—	24,100	—	—

*Too few data to warrent publication

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